



## State of New Jersey

Department of Environmental Protection

Air Quality, Energy and Sustainability

Division of Air Quality

Bureau of Stationary Sources

401 E. State Street, 2nd Floor, P.O. Box 420, Mail Code 401-02

Trenton, NJ 08625-0420

PHILIP D. MURPHY

*Governor*

SHEILA Y. OLIVER

*Lt. Governor*

CATHERINE R. McCABE

*Commissioner*

### Air Pollution Control Operating Permit Significant Modification

**Permit Activity Number: BOP190005**

**Program Interest Number: 51611**

Mailing Address	Plant Location
KEVIN COGGINS PLANT MANAGER GEORGIA PACIFIC GYPSUM LLC 1101 S FRONT ST Camden, NJ 08103	GEORGIA-PACIFIC GYPSUM LLC 1101 S Front St Camden Camden County

**Initial Operating Permit Approval Date:**

**July 28, 2005**

**Operating Permit Approval Date:**

**Draft**

**Operating Permit Expiration Date:**

**July 27, 2020 (Operating under application shield)**

#### **AUTHORITY AND APPLICABILITY**

The New Jersey Department of Environmental Protection (Department) approves and issues this Air Pollution Control Operating Permit under the authority of Chapter 106, P.L. 1967 (N.J.S.A. 26:2C-9.2). This permit is issued in accordance with the air pollution control permit provisions promulgated at Title V of the Federal Clean Air Act, 40 CFR 70, Air Pollution Control Act codified at N.J.S.A. 26:2C and New Jersey State regulations promulgated at N.J.A.C. 7:27-22.

The Department approves this operating permit based on the evaluation of the certified information provided in the permit application that all equipment and air pollution control devices regulated in this permit comply with all applicable State and Federal regulations. The facility shall be operated in accordance with the conditions of this permit. This operating permit supersedes any previous Air Pollution Control Operating Permits issued to this facility by the Department including any general operating permits, renewals, significant modifications, minor modifications, seven-day notice changes or administrative amendments to the permit.

Changes made through this permit activity are provided in the Reason for Application.

#### **PERMIT SHIELD**

This operating permit includes a permit shield, pursuant to the provisions of N.J.A.C. 7:27-22.17.

#### **COMPLIANCE SCHEDULES**

This operating permit does not include compliance schedules as part of the approved compliance plan.



## **COMPLIANCE CERTIFICATIONS AND DEVIATION REPORTS**

The permittee shall submit to the Department and to United States Environmental Protection Agency (US EPA) periodic compliance certifications, in accordance with N.J.A.C. 7:27-22.19. **The annual compliance certification** is due to the Department and EPA within 60 days after the end of each calendar year during which this permit was in effect. **Semi-annual deviation reports** relating to compliance testing and monitoring are due to the Department within 30 days after the end of the semi-annual period. The schedule and additional details for these submittals are available in Subject Item - FC, of the Facility Specific Requirements of this permit.

## **ACCESSING PERMITS**

The facility's current approved operating permit and any previously issued permits (e.g. superseded, expired, or terminated) are available for download in PDF format at: <http://www.nj.gov/dep/aqpp>. After accessing the website, click on "Approved Operating Permits" listed under "Reports" and then type in the Program Interest (PI) Number as instructed on the screen. If needed, the RADIUS file for your permit, containing Facility Specific Requirements (Compliance Plan), Inventories and Compliance Schedules can be obtained by contacting the Helpline number given below. RADIUS software, instructions, and help are available at the Department's website at <http://www.nj.gov/dep/aqpp>.

## **HELPLINE**

The Operating Permit Helpline is available for any questions at (609) 633-8248 from 9:00 AM to 4:00 PM Monday to Friday.

## **RENEWING YOUR OPERATING PERMIT AND APPLICATION SHIELD**

The permittee is responsible for submitting a timely and administratively complete operating permit renewal application pursuant to N.J.A.C. 7:27-22.30. Only applications which are timely and administratively complete are eligible for an application shield. The details on the contents of the renewal application, submittal schedule, and application shield are available in Section B - General Provisions and Authorities of this permit.

## **COMPLIANCE ASSURANCE MONITORING**

Facilities that are subject to Compliance Assurance Monitoring (CAM), pursuant to 40 CFR 64, shall develop a CAM Plan for modified equipment as well as existing sources. The rule and guidance on how to prepare a CAM Plan can be found at EPA's website: <https://www.epa.gov/air-emissions-monitoring-knowledge-base/compliance-assurance-monitoring>. In addition, CAM Plans must be included as part of the permit renewal application. Facilities that do not submit a CAM Plan may have their permit applications denied, pursuant to N.J.A.C. 7:27-22.3.

## **ADMINISTRATIVE HEARING REQUEST**

If, in your judgment, the Department is imposing any unreasonable condition of approval, you may contest the Department's decision and request an adjudicatory hearing pursuant to N.J.S.A. 52:14B-1 et seq. and N.J.A.C. 7:27-22.32(a). All requests for an adjudicatory hearing must be received in writing by the Department within 20 calendar days of the date you receive this letter. The request must contain the information specified in N.J.A.C. 7:27-1.32 and the information on the NJ04 - Administrative Hearing Request Checklist and Tracking Form available at <https://www.state.nj.us/dep/aqpp/applying.html>.

If you have any questions regarding this permit approval, please call Adam Pagarigan at (609) 777-0595.

Approved by:

\_\_\_\_\_  
Art Lehberger

Enclosure

CC: Suilin Chan, United States Environmental Protection Agency, Region 2



**Facility Name: GEORGIA-PACIFIC GYPSUM LLC**  
**Program Interest Number: 51611**  
**Permit Activity Number: BOP190005**

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## Section A

**Facility Name: GEORGIA-PACIFIC GYPSUM LLC**

**Program Interest Number: 51611**

**Permit Activity Number: BOP190005**

### **POLLUTANT EMISSIONS SUMMARY**

Table 1: Total emissions from all Significant Source Operations<sup>1</sup> at the facility.

Facility's Potential Emissions from all Significant Source Operations (tons per year)										
Source Categories	VOC (total)	NO <sub>x</sub>	CO	SO <sub>2</sub>	TSP (total)	PM <sub>10</sub> (total)	PM <sub>2.5</sub> <sup>2</sup> (total)	Pb	HAPs* (total)	CO <sub>2</sub> e <sup>3</sup>
Emission Units Summary	3.8	30.1	22.0	3.4	48.1	35.3	32.3	NA	0.007	
Batch Process Summary	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Group Summary	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Total Emissions	3.8	30.1	22.0	3.4	48.1	35.3	32.3	NA	0.007	89,506

Table 2: Estimate of total emissions from all Insignificant Source Operations<sup>1</sup> and total emissions from Non-Source Fugitives at the facility.

Emissions from all Insignificant Source Operations and Non-Source Fugitive Emissions (tons per year)									
Source Categories	VOC (total)	NO <sub>x</sub>	CO	SO <sub>2</sub>	TSP (total)	PM <sub>10</sub> (total)	PM <sub>2.5</sub> <sup>2</sup> (total)	Pb	HAPs (total)
Insignificant Source Operations	0.379	4.34	1.92	0.024	0.683	0.608	N/A	NA	NA
Non-Source Fugitive Emissions <sup>4</sup>	NA	NA	NA	NA	NA	NA	NA	NA	NA

VOC: Volatile Organic Compounds

NO<sub>x</sub>: Nitrogen Oxides

CO: Carbon Monoxide

SO<sub>2</sub>: Sulfur Dioxide

N/A: Indicates the pollutant is not emitted or is emitted below the reporting threshold specified in N.J.A.C. 7:27-22, Appendix, Table A and N.J.A.C. 7:27-17.9(a).

TSP: Total Suspended Particulates

Other: Any other air contaminant

regulated under the Federal CAA

PM<sub>10</sub>: Particulates under 10 microns

PM<sub>2.5</sub>: Particulates under 2.5 microns

Pb: Lead

HAPs: Hazardous Air Pollutants

CO<sub>2</sub>e: Carbon Dioxide equivalent

\*Emissions of individual HAPs are provided in Table 3 on the next page.

Emissions of "Other" air contaminants are provided in Table 4 on the next page.

<sup>1</sup> Significant Source Operations and Insignificant Source Operations are defined at N.J.A.C. 7:27-22.1.

<sup>2</sup> PM<sub>2.5</sub> has been included in air permitting rules as of December 9, 2017. Consequently, PM<sub>2.5</sub> totals in this section may not be up to date. The Department is in the process of updating these limits during each permit modification, and the entire permit will be updated at the time of permit renewal.

<sup>3</sup> Total CO<sub>2</sub>e emissions for the facility that includes all Significant Source Operations (emission units, batch process, group) and Insignificant Source Operations.

<sup>4</sup> Non-Source Fugitive Emissions are defined at N.J.A.C. 7:27-22.1 and are included if the facility falls into one or more categories listed at N.J.A.C. 7:27-22.2(a)2.



## Section A

**Facility Name: GEORGIA-PACIFIC GYPSUM LLC**  
**Program Interest Number: 51611**  
**Permit Activity Number: BOP190005**

### **POLLUTANT EMISSIONS SUMMARY**

Table 3: Summary of Hazardous Air Pollutants (HAP) Emissions from Significant Source Operations <sup>5</sup>:

HAP	TPY
Formaldehyde	0.005
Polycyclic Organic Matter	0.002

Table 4: Summary of “Other” air contaminants emissions from Significant Source Operations:

Other Air Contaminant	TPY
NA	

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<sup>5</sup> Do not sum the values below for the purpose of establishing a total HAP potential to emit. See previous page for the allowable total HAP emissions.



## Section B

**Facility Name: GEORGIA-PACIFIC GYPSUM LLC**  
**Program Interest Number: 51611**  
**Permit Activity Number: BOP190005**

### **GENERAL PROVISIONS AND AUTHORITIES**

1. No permittee shall allow any air contaminant, including an air contaminant detectable by the sense of smell, to be present in the outdoor atmosphere in a quantity and duration which is, or tends to be, injurious to human health or welfare, animal or plant life or property, or which would unreasonably interfere with the enjoyment of life or property. This shall not include an air contaminant that occurs only in areas over which the permittee has exclusive use or occupancy. Requirements relative only to nuisance situations, including odors, are not considered federally enforceable. [N.J.A.C. 7:27-22.16(g)8]
2. Any deviation from operating permit requirements which results in a release of air contaminants shall be reported to the Department as follows:
  - a. If the air contaminants are released in a quantity or concentration which poses a potential threat to public health, welfare or the environment or which might reasonably result in citizen complaints, the permittee shall report the release to the Department:
    - i. Immediately on the Department hotline at 1-(877) 927-6337, pursuant to N.J.S.A. 26:2C-19(e); and
    - ii. As part of the compliance certification required in N.J.A.C. 7:27-22.19(f). However, if the deviation is identified through source emissions testing, it shall be reported through the source emissions testing and monitoring procedures at N.J.A.C. 7:27-22.18(e)3; or
  - b. If the air contaminants are released in a quantity or concentration which poses no potential threat to public health, welfare or the environment and which will not likely result in citizen complaints, the permittee shall report the release to the Department as part of the compliance certification required in N.J.A.C. 7:27-22.19(f), except for deviations identified by source emissions testing reports, which shall be reported through the procedures at N.J.A.C. 7:27-22.18(e)3; or
  - c. If the air contaminants are released in a quantity or concentration which poses no potential threat to public health, welfare or the environment and which will not likely result in citizen complaints, and the permittee intends to assert the affirmative defense afforded by N.J.A.C. 7:27-22.16(l), the violation shall be reported by 5:00 PM of the second full calendar day following the occurrence, or of becoming aware of the occurrence, consistent with N.J.A.C. 7:27-22.16(l). [N.J.A.C. 7:27-22.19(g)1]
3. The permittee shall comply with all conditions of the operating permit including the approved compliance plan. Any non-compliance with a permit condition constitutes a violation of the New Jersey Air Pollution Control Act N.J.S.A. 26:2C-1 et seq., or the CAA, 42 U.S.C. §7401 et seq., or both, and is grounds for enforcement action; for termination, revocation and reissuance, or for modification of the operating permit; or for denial of an application for a renewal of the operating permit. [N.J.A.C. 7:27-22.16(g)1]
4. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of its operating permit. [N.J.A.C. 7:27-22.16(g)2]
5. This operating permit may be modified, terminated, or revoked for cause by the EPA pursuant to 40 CFR 70.7(g) and revoked or reopened and modified for cause by the Department pursuant to N.J.A.C. 7:27-22.25. [N.J.A.C. 7:27-22.16(g)3]



6. The permittee shall furnish to the Department, within a reasonable time, any information that the Department may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this operating permit; or to determine compliance with the operating permit. [N.J.A.C. 7:27-22.16(g)4]
7. The filing of an application for a modification of an operating permit, or of a notice of planned changes or anticipated non-compliance, does not stay any operating permit condition. [N.J.A.C. 7:27-22.16(g)5]
8. The operating permit does not convey any property rights of any sort, or any exclusive privilege. [N.J.A.C. 7:27-22.16(g)6]
9. Upon request, the permittee shall furnish to the Department copies of records required by the operating permit to be kept. [N.J.A.C. 7:27-22.16(g)7]
10.
  - a. For emergencies (as defined at 40 CFR 70.6(g)(1)) that result in non-compliance with any promulgated federal technology-based standard such as NSPS, NESHAPS, or MACT, a federal affirmative defense is available, pursuant to 40 CFR 70. To assert a federal affirmative defense, the permittee must use the procedures set forth in 40 CFR 70. The affirmative defense provisions described below may not be applied to any situation that caused the Facility to exceed any federally delegated regulation, including but not limited to NSPS, NESHAP, or MACT.
  - b. For situations other than those covered above, an affirmative defense is available for a violation of a provision or condition of the operating permit only if:
    - i. The violation occurred as a result of an equipment malfunction, an equipment startup or shutdown, or during the performance of necessary equipment maintenance; and
    - ii. The affirmative defense is asserted and established as required by N.J.S.A. 26:2C-19.1 through 19.5 and any implementing rules. [N.J.A.C. 7:27-22.16(l)]
11. In the event of a challenge to any part of this operating permit, all other parts of the permit shall continue to be valid. [N.J.A.C. 7:27-22.16(f)]
12. Each owner and each operator of any facility, source operation, or activity to which this permit applies is responsible for ensuring compliance with all requirements of N.J.A.C. 7:27-22. If the owner and operator are separate persons, or if there is more than one owner or operator, each owner and each operator is jointly and severally liable for any fees due under N.J.A.C. 7:27-22, and for any penalties for violation of N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.3]
13. The permittee shall ensure that no air contaminant is emitted from any significant source operation at a rate, calculated as the potential to emit, that exceeds the applicable threshold for reporting emissions set forth in the Appendix to N.J.A.C. 7:27-22 or 7:27-17.9(a), unless emission of the air contaminant is authorized by this operating permit. [N.J.A.C. 7:27-22.3(c)]
14. Consistent with the provisions of N.J.A.C. 7:27-22.3(e), the permittee shall ensure that all requirements of this operating permit are met. In the event that there are multiple emission limitations, monitoring, recordkeeping, and/or reporting requirements for a given source operation, the facility must comply with all requirements, including the most stringent.
15. Consistent with the provisions of N.J.A.C. 7:27-22.3(s), Except as otherwise provided in this subchapter, the submittal of any information or application by a permittee including, but not limited to, an application or notice for any change to the operating permit, including any administrative amendment, any minor or significant modification, renewal, a notice of a seven-day notice change, a notice of past or anticipated noncompliance, does not stay any operating permit condition, nor relieve a permittee from the obligation to obtain other necessary permits and to comply with all applicable Federal, State, and local requirements.



16. Applicable requirements derived from an existing or terminated consent decree with EPA will not be changed without advance consultation by the Department with EPA. N.J.A.C. 7:27-22.3(uu).
17. Unless specifically exempted from permitting, temporary mobile equipment for short-term activities may be periodically used at major facilities, on site for up to 90 days if the requirements listed below, (a) through (h) are satisfied.
  - a. The permittee will ensure that the temporary mobile equipment will not be installed permanently or used permanently on site.
  - b. The permittee will ensure that the temporary mobile equipment will not circumvent any State or Federal rules and regulations, even for a short period of time, and the subject equipment will comply with all applicable performance standards.
  - c. The permittee cannot use temporary mobile equipment unless the owner or operator of the subject equipment has obtained and maintains an approved Air Pollution Control Permit, issued pursuant to N.J.A.C. 7:27-8 or 22, prior to bringing the temporary mobile equipment to operate at the major facility.
  - d. The permittee is responsible for ensuring the temporary mobile equipment's compliance with the terms and conditions specified in its approved Air Pollution Control Permit when the temporary mobile equipment operates on the property of the permittee.
  - e. The permittee will ensure that temporary mobile equipment utilized for short-term activities will not operate on site for more than a total of 90 days during any calendar year.
  - f. The permittee will keep on site a list of temporary mobile equipment being used at the facility with the start date, end date, and record of the emissions from all such equipment (amount and type of each air contaminant) no later than 30 days after the temporary mobile equipment completed its job in accordance with N.J.A.C. 7:27-22.19(i)3.
  - g. Emissions from the temporary mobile equipment must be included in the emission netting analysis required of the permittee by N.J.A.C. 7:27-18.7. This information is maintained on site by the permittee and provided to the Department upon request in accordance with existing applicable requirements in the FC Section of its Title V permit.
  - h. Where short-term activities (employing temporary mobile equipment) will reoccur on at least an annual basis, the permittee is required to include such activities (and the associated equipment) within one year of the first use, in its Title V permit through the appropriate modification procedures.
18. Consistent with the provisions of N.J.A.C. 7:27-22.9(c), the permittee shall use monitoring of operating parameters, where required by the compliance plan, as a surrogate for direct emissions testing or monitoring, to demonstrate compliance with applicable requirements.
19. The permittee is responsible for submitting timely and administratively complete operating permit applications:

Administrative Amendments [N.J.A.C. 7:27-22.20(c)];  
Seven-Day Notice changes [N.J.A.C. 7:27-22.22(e)];  
Minor Modifications [N.J.A.C. 7:27-22.23(e)];  
Significant Modifications [N.J.A.C. 7:27-22.24(e)]; and  
Renewals [N.J.A.C. 7:27-22.30(b)].
20. The operating permit renewal application consists of a RADIUS application and the application attachment available at the Department's website <http://www.nj.gov/dep/aqpp/applying.html> (Attachment to the RADIUS Operating Permit Renewal Application). Both the RADIUS application and the Application Attachment, along with any other supporting documents must be submitted using the Department's Portal



at: <http://njdeponline.com/>. The application is considered timely if it is received at least 12 months before the expiration date of the operating permit. To be deemed administratively complete, the renewal application shall include all information required by the application form for the renewal and the information required pursuant to N.J.A.C. 7:27-22.30(d). However, consistent with N.J.A.C. 7:27-22.30(c), the permittee is encouraged to submit the renewal application at least 15 months prior to expiration of the operating permit, so that any deficiencies can be identified and addressed to ensure that the application is administratively complete by the renewal deadline. Only renewal applications which are timely and administratively complete are eligible for an application shield.

21. For all source emissions testing performed at the facility, the phrase “worst case conditions without creating an unsafe condition” used in the enclosed compliance plan is consistent with EPA’s National Stack Testing Guidance, dated April 27, 2009, where all source emission testing performed at the facility shall be under the representative (normal) conditions that:
  - i. Represent the range of combined process and control measure conditions under which the facility expects to operate (regardless of the frequency of the conditions); and
  - ii. Are likely to most challenge the emissions control measures of the facility with regard to meeting the applicable emission standards, but without creating an unsafe condition.
22. Consistent with EPA’s National Stack Testing Guidance and Technical Manual 1004, a facility may not stop an ongoing stack test because it would have failed the test unless the facility also ceases operation of the equipment in question to correct the issue. Stopping an ongoing stack test in these instances will be considered credible evidence of emissions non-compliance.
23. Each permittee shall maintain records of all source emissions testing or monitoring performed at the facility and required by the operating permit in accordance with N.J.A.C. 7:27-22.19. Records shall be maintained, for at least five years from the date of each sample, measurement, or report. Each permittee shall maintain all other records required by this operating permit for a period of five years from the date each record is made. At a minimum, source emission testing or monitoring records shall contain the information specified at N.J.A.C. 7:27-22.19(b). [N.J.A.C. 7:27-22.19(a) and N.J.A.C. 7:27-22.19(b)]
24. A Permittee may seek the approval of the Department for a delay in testing required pursuant to this permit by submitting a written request to the appropriate Regional Enforcement Office in accordance with N.J.A.C. 7:27-22.18(k). A Permittee may also seek advanced approval for a longer period for submittal of a source emissions test report required by the permit by submitting a request to the Department’s Regional Enforcement Office in accordance with N.J.A.C. 7:27-22.19. [N.J.A.C. 7:27-22.18(k) and N.J.A.C. 7:27-22.19]



## Section C

**Facility Name: GEORGIA-PACIFIC GYPSUM LLC**

**Program Interest Number: 51611**

**Permit Activity Number: BOP190005**

### **STATE-ONLY APPLICABLE REQUIREMENTS**

N.J.A.C. 7:27-22.16(b)5 requires the Department to specifically designate as not being federally enforceable any permit conditions based only on applicable State requirements. The applicable State requirements to which this provision applies are listed in the table titled “State-Only Applicable Requirements.”

### **STATE-ONLY APPLICABLE REQUIREMENTS**

The following applicable requirements are not federally enforceable:

<u>SECTION</u>	<u>SUBJECT ITEM</u>	<u>ITEM #</u>	<u>REF. #</u>
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## Section D

**Facility Name: GEORGIA-PACIFIC GYPSUM LLC**  
**Program Interest Number: 51611**  
**Permit Activity Number: BOP190005**

### **FACILITY SPECIFIC REQUIREMENTS AND INVENTORIES**

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U22	SRB1	Stucco Reserve Bin #1	96
U23	PMV1	Pin Mixer	98
U24	RM1and RM2	Raymond Mill #1 and Raymond Mill #2	100
U26	4RB	Portland Cement Bin (aka Reserve Bin #4)	111
U27	LPB1	Landplaster Bin #1	122
U28	LPB2	Landplaster Bin #2	124
U29	LPB3	Landplaster Bin #3	126
U30	SRB3-MPB1	Moulding Plaster Bin / Stucco Reserve Bin #3	128
U31	SC	Stucco Cooling	131
U34	RF	Reclaim Feeder and Belt Conveyor	148
U35	DCB	Dens Cal Feed Bin	161
U36	B/P System	Blender/Packer System	171
U37	LPB4	Landplaster Bin #4 (aka Board Plant Landplaster Bin)	183
U38	IM	Impact Mill	193
U39	SDS	Impact Mill Screen	205
U40	SRB2	Stucco Reserve Bin #2	215
U41	IMFB	Impact Mill Feed Bin	225
U42	BM	Ball Mills 1-4	236
U43	Wet End Vac	Wet End Vacuum System	238
U47	Reject Bin	Reject Bin Dust Collector	240
U51	Crshr/Trnsfr	Crusher Building and Transfer Tower	242
U52	Auger #1	Temporary Discharge Auger #1	247
U53	DeLumper	Franklin Miller DeLumper	250
U54	Resin Ext	Resin Extrusion Process	254







**New Jersey Department of Environmental Protection  
Reason for Application**

**Permit Being Modified**

**Permit Class:** BOP      **Number:** 190006

**Description of Modifications:** This permit modification includes the following changes:

1. U7 Board Dryer: Remove the U7 emission unit compliance plan, associated equipment and emission points. Delete the annual PTE emission limits for VOC (-24.5 ton/yr), NOx (-33.6 ton/yr), CO (-40.9 ton/yr), SO2 (-13.5 ton/yr), TSP (-4.9 ton/yr), PM10 (-4.9 ton/yr), PM2.5 (-4.9 ton/yr) and total HAPs (-0.01 ton/yr).
2. U44 Dry End Central Vacuum System: Remove the U44 emission unit compliance plan, associated equipment, control device and emission points. Delete the annual PTE emission limits for TSP (-2.5 ton/yr), PM10 (-2.5 ton/yr) and PM2.5 (-2.5 ton/yr).
3. U14 LP Reserve Bin & Landplaster Bulk Loading (Incorporate minor modification BOP190001): Increase the annual material throughput from 219,000 to 657,000 tons/year, and increase the hourly material throughput from 50,000 to 150,000 lb/hr for U14 OS1 and OS2; Increase the annual PTE emission limit TSP from 0.054 to 1.65 ton/yr, PM10 from 0.054 to 1.56 ton/yr, and PM2.5 from 0.054 to 1.48 ton/yr; Add once initial stack testing to demonstrate compliance with short-term emission limits for TSP, PM10 & PM2.5, and outlet grain loading of 0.02 gr/dscf for OS1 and OS2.
4. U31 Stucco Cooling: Replace existing Stucco Loading Spout (E71) in U31 OS8 and Stucco Screener (E58) U31 OS10 with identical new equipment with same specifications; Increase the maximum operating hours from 1000 to 8760 hr/yr. Increase the annual PTE emission limit for U31: TSP from 1.01 to 1.58 ton/year, and PM10 and PM2.5 from 0.62 to 1.18 ton/year. Add once initial stack testing to demonstrate compliance with the NSPS Subpart OOO PM limit of 0.014 gr/dscf at maximum throughput rate.
5. U36 Blender/Packer System: Add new equipment Supersac Loading Spout (E103) in U36 OS7 for automated bulk bagging operation with a material throughput rate of 60,000 lb/hr. The OS7 maximum hourly emission limit for TSP, PM10 and PM2.5 is 0.49 lb/hr. Added the requirement that OS7 shall not operate simultaneously with the existing manual bagging operating scenarios U36 OS1 and OS6. Increase the hourly material throughput for U36 OS2 Plaster Blender/Weigher from 40,000 lb/hr to 60,000 lb/hr to match the material throughput of OS7. Increase the TSP, PM10 and PM2.5 annual emission limits from below reporting threshold to 2.17 ton/yr.
6. U54 Resin Extrusion Process: Add new silo (E103) in OS7 to store polypropylene pellets and supply pellets to the extruder, equipped with 3 Cartridge Bin Vent filters (CD41, CD42, CD43) with a control efficiency greater than 99% efficiency during loading and unloading of material. The maximum hourly and annual OS7 PTE emission limits for TSP, PM10 and PM2.5 are 0.195 lb/hr and 0.853 ton/yr.
7. U2 Kettle Calciners: Reconfigure the Kettle #2 Calcliner (E4) flue gas arrangement. No change in U2 emission limits.
8. U24 Raymod Mills: Replace the clean air plenums for both the Raymond Mill #2 (CD18) and Kettle #3 (CD3) dust collectors. No change in the emission limits.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Subject Item: FC

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	General Provisions: The permittee shall comply with all applicable provisions of N.J.A.C. 7:27-1. [N.J.A.C. 7:27- 1]	None.	None.	None.
2	Control and Prohibition of Open Burning: The permittee is prohibited from open burning of rubbish, garbage, trade waste, buildings, structures, leaves, other plant life and salvage. Open burning of infested plant life or dangerous material may only be performed with a permit from the Department. [N.J.A.C. 7:27- 2]	None.	None.	Obtain an approved permit: Prior to occurrence of event (prior to open burning). [N.J.A.C. 7:27- 2]
3	Prohibition of Air Pollution: The permittee shall not emit into the outdoor atmosphere substances in quantities that result in air pollution as defined at N.J.A.C. 7:27-5.1. [N.J.A.C. 7:27- 5]	None.	None.	None.
4	Prevention and Control of Air Pollution Control Emergencies: Any person responsible for the operation of a source of air contamination set forth in Table 1 of N.J.A.C. 7:27-12 is required to prepare a written Standby Plan, consistent with good industrial practice and safe operating procedures, and be prepared for reducing the emission of air contaminants during periods of an air pollution alert, warning, or emergency. Any person who operates a source not set forth in Table 1 of N.J.A.C. 7:27-12 is not required to prepare such a plan unless requested by the Department in writing. [N.J.A.C. 7:27-12]	None.	None.	Comply with the requirement: Upon occurrence of event. Upon proclamation by the Governor of an air pollution alert, warning, or emergency, the permittee shall put the Standby Plan into effect. In addition, the permittee shall ensure that all of the applicable emission reduction objectives of N.J.A.C. 7:27-12.4, Table I, II, and III are complied with whenever there is an air pollution alert, warning, or emergency. [N.J.A.C. 7:27-12]
5	Emission Offset Rules: The permittee shall comply with all applicable provisions of Emission Offset Rules. [N.J.A.C. 7:27-18]	None.	None.	None.
6	Emission Statements: The permittee shall comply with all the applicable provisions of N.J.A.C. 7:27-21. [N.J.A.C. 7:27-21]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	Compliance Certification: The permittee shall submit an annual Compliance Certification for each applicable requirement, pursuant to N.J.A.C. 7:27-22.19(f). [N.J.A.C. 7:27-22]	None.	None.	Submit an Annual Compliance Certification: Annually to the Department and to EPA within 60 days after the end of each calendar year during which this permit was in effect. The Compliance Certification shall be certified pursuant to N.J.A.C. 7:27-1.39 by the responsible official and submitted electronically through the NJDEP online web portal. The certification should be printed for submission to EPA.  The NJDEP online web portal can be accessed at: <a href="http://www.state.nj.us/dep/online/">http://www.state.nj.us/dep/online/</a> . The Compliance Certification forms and instructions for submitting to EPA are available by selecting Documents and Forms and then Periodic Compliance Certification. [N.J.A.C. 7:27-22]
8	Prevention of Air Pollution from Consumer Products and Architectural Coatings: The permittee shall comply with all applicable provisions of N.J.A.C. 7:27-24 and [N.J.A.C. 7:27-23]	None.	None.	None.
9	Any operation of equipment which causes off-property effects, including odors, or which might reasonably result in citizen's complaints shall be reported to the Department to the extent required by the Air Pollution Control Act, N.J.S.A. 26:2C-19(e). [N.J.S.A. 26: 2C-19(e)]	Other: Observation of plant operations. [N.J.S.A. 26: 2C-19(e)].	Other: Maintain a copy of all information submitted to the Department. [N.J.S.A. 26: 2C-19(e)].	Notify by phone: Upon occurrence of event. A person who causes a release of air contaminants in a quantity or concentration which poses a potential threat to public health, welfare or the environment or which might reasonably result in citizen complaints shall immediately notify the Department. Such notification shall be made by calling the Environmental Action Hotline at (877) 927-6337. [N.J.S.A. 26: 2C-19(e)]
10	Prevention of Significant Deterioration: The permittee shall comply with all applicable provisions of Prevention of Significant Deterioration (PSD). [40 CFR 52.21]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	The permittee shall comply with all applicable provisions of National Emission Standards for Hazardous Air Pollutants (NESHAPS) for Asbestos, Subpart M. [40 CFR 61]	Other: Comply with 40 CFR 61.145 and 61.150 when conducting any renovation or demolition activities at the facility. [40 CFR 61].	Other: Comply with 40 CFR 61.153 when conducting any renovation or demolition activities at the facility. [40 CFR 61].	Comply with the requirement: Upon occurrence of event. The permittee shall comply with 40 CFR 61.153 when conducting any renovation or demolition activities at the facility. [40 CFR 61]
12	Protection of Stratospheric Ozone:1) If the permittee manufactures, transforms, destroys, imports, or exports a Class I or Class II substance, the permittee is subject to all the requirements as specified at 40 CFR 82, Subpart A; 2) If the permittee performs a service on motor "fleet" vehicles when this service involves an ozone depleting substance refrigerant (or regulated substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified at 40 CFR 82, Subpart B. 3) The permittee shall comply with the standards for labeling of products containing or manufactured with ozone depleting substances pursuant to 40 CFR 82, Subpart E. 4). The permittee shall comply with the standards for recycling and emission reductions of Class I and Class II refrigerants or a regulated substitute substance during the service, maintenance, repair, and disposal of appliances pursuant to 40 CFR 82, Subpart F, except as provided for motor vehicle air conditioners (MVACs) in Subpart B. 5) The permittee shall be allowed to switch from any ozone depleting substance to any alternative that is listed in the Significant New Alternative Program (SNAP) promulgated pursuant to 40 CFR 82, Subpart G. [40 CFR 82]	Other: Comply with 40 CFR 82 Subparts A, B, E, F, and G. [40 CFR 82].	Other: Comply with 40 CFR 82 Subparts A, B, E, F, and G. [40 CFR 82].	Comply with the requirement: Upon occurrence of event. The permittee shall comply with 40 CFR 82 Subparts A, B, E, F, and G. [40 CFR 82]



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	Deviation Reports: The permittee shall submit to the Department a certified six-month Deviation Report relating to testing and monitoring required by the operating permit. [N.J.A.C. 7:27-22.19(d)3], [N.J.A.C. 7:27-22.19(e)], and [N.J.A.C. 7:27-22.19(c)]	None.	Other: The permittee shall maintain deviation reports for a period of five years from the date each report is submitted to the Department. [N.J.A.C. 7:27-22.19(a)] and [N.J.A.C. 7:27-22.19(e)].	Submit a report: As per the approved schedule. The six-month deviation reports for the period from January 1 through June 30 shall be submitted by July 30 of the same calendar year, and for the period from July 1 through December 31, shall be submitted by January 30 of the following calendar year.  The annual compliance certification required by N.J.A.C. 7:27-22.19(f) may also be considered as your six-month Deviation Report for the period from July 1 – December 31, if submitted by January 30 of the following calendar year. The reports shall be certified pursuant to N.J.A.C. 7:27-1.39 by the responsible official and submitted electronically through the NJDEP online web portal.  The NJDEP online web portal can be accessed at: <a href="http://www.state.nj.us/dep/online/">http://www.state.nj.us/dep/online/</a> . The Compliance Certification forms are available by selecting Documents and Forms and then Periodic Compliance Certification. [N.J.A.C. 7:27-22]
14	Used Oil Combustion: No person shall combust used oil except as authorized pursuant to N.J.A.C. 7:27-20. [N.J.A.C. 7:27-20.2]	None.	None.	Comply with the requirement: Prior to occurrence of event (prior to burning used oil) either register with the Department pursuant to N.J.A.C. 7:27-20.3 or obtain a permit issued by the Department pursuant to N.J.A.C. 7:27-8 or 7:27-22, whichever is applicable. [N.J.A.C. 7:27-20.2(d)]
15	Prevention of Accidental Releases: Facilities producing, processing, handling or storing a chemical, listed in the tables of 40 CFR Part 68.130, and present in a process in a quantity greater than the listed Threshold Quantity, shall comply with all applicable provisions of 40 CFR 68. [40 CFR 68]	Other: Comply with 40 CFR 68. [40 CFR 68].	Other: Comply with 40 CFR 68. [40 CFR 68].	Other (provide description): Other. Comply with 40 CFR 68 as described in the Applicable Requirement. [40 CFR 68]



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
16	The Department and its authorized representatives shall have the right to enter and inspect any activity subject to N.J.A.C. 7:27-22, or portion thereof, pursuant to N.J.A.C. 7:27-1.31. [N.J.A.C. 7:27-22.16(g)9]	None.	None.	None.
17	The permittee shall pay fees to the Department pursuant to N.J.A.C. 7:27. [N.J.A.C. 7:27-22.16(g)10]	None.	None.	None.
18	Each permittee shall meet all requirements of the approved source emissions testing and monitoring protocol during the term of the operating permit.  Whenever the permittee makes a replacement, modification, change or repair of a certified CEMS or COMS that may significantly affect the ability of the system to accurately measure or record data, the permittee must recertify the CEMS or COMS in accordance with Section V.B. and Appendix E of Technical Manual 1005.  The permittee is responsible for any downtime associated with the replacement, modification, change or repair of the CEMS or COMS. [N.J.A.C. 7:27-22.18(j)]	None.	None.	Comply with the requirement: Upon occurrence of event. The permittee is responsible for contacting the Emission Measurement Section to determine the need for recertification and/or to initiate the recertification process. [N.J.A.C. 7:27-22.18(j)]
19	Each process monitor must be operated at all times when the associated process equipment is operating except during service outage time not to exceed 24 hours per calendar quarter. [N.J.A.C. 7:27-22.16(a)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The permittee must keep a service log to document any outage. [N.J.A.C. 7:27-22.16(o)]	None.
20	Continuous recording for process monitors must be at a sufficient frequency and resolution to be able to document compliance or non-compliance in accordance with Technical Manual 1005 for CEMS (TM1005(B)(3)). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Subject Item:** FG Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The owner or operator shall operate under the approved Fugitive PM Management Plan dated December 2013, Attachment A to the Operating Permit, from BOP140001. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by conditions in the Fugitive PM Management Plan.[N.J.A.C. 7:27-22.16(o)].	Other: Recordkeeping by maintaining readily accessible records.[N.J.A.C. 7:27-22.16(o)].	Comply with the requirement: Upon occurrence of event any future revisions to the Fugitive PM Management Plan to reflect equipment and operational changes shall be submitted to the NJDEP Regional Enforcement Office for review and approval. [N.J.A.C. 7:27-22.16(o)]



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Subject Item:** IS2 Heater at knife area 1 - Nat. Gas fired (< 1 MMBTU/HR max. heat input), IS3 Heater at knife area 2 - Nat. Gas fired (< 1 MMBTU/HR max. heat input), IS4 Heater at knife area 3 - Nat. Gas fired (< 1 MMBTU/HR max. heat input), IS5 Machine shop heater - Nat. Gas fired (< 1 MMBTU/HR max. heat input), IS6 Space Heaters - 17 units, Nat.Gas fired (each unit < 1 MMBTU/HR max. heat input), IS7 Paper Warmers 1 to 4 - Nat.Gas fired (each unit < 1 MMBTU/HR max. heat input), IS8 Paper Warmers 5 to 8 - Nat.Gas fired (each unit < 1 MMBTU/HR max. heat input)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No additional applicable requirements. [N.J.A.C. 7:27-22]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Subject Item:** IS10 Storage/use of non-HAP chemicals in containers (< 10,000 gallons, Non-Applicable VOC with vapor pressure < 0.02 psia), IS11 Storage/use of non-HAP VOC containing chemicals in containers (< 10,000 gallons, Non-Applicable VOC with vapor pressure < 0.02 psia), IS16 Holding Tank storing liquids (< 10,000 gallons, Non-Applicable VOC with vapor pressure < 0.02 psia), IS17 Prime Paint Tank, 7,800 gallons (< 10,000 gallons, Non-Applicable VOC with vapor pressure < 0.02 psia)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The operating temperature shall not be greater than 350 degrees F. [N.J.A.C. 7:27-22.1]	None.	None.	None.
2	The vapor pressure of the liquid, excluding the vapor pressure of water, shall be less than 0.02 psia at the liquid's actual temperature or at 70 degrees F, whichever is higher. [N.J.A.C. 7:27-22.1]	None.	None.	None.
3	The tank shall have no visible emissions, exclusive of water vapor, to the outdoor atmosphere. [N.J.A.C. 7:27-22.1]	None.	None.	None.
4	The tank shall not emit any air contaminants which may cause an odor detectable outside the property boundaries of the facility. [N.J.A.C. 7:27-22.1]	None.	None.	None.
5	The tank shall not be subject to any NESHAPS, MACT, or NSPS air pollution control standards, excluding the NSPS requirements to maintain a record of the contents of the tank, the period of storage of these contents, and the maximum true vapor pressure of the liquid stored. [N.J.A.C. 7:27-22.1]	None.	None.	None.
6	The tank's potential to emit each TXS and each HAP shall not exceed the de minimis reporting thresholds as specified in N.J.A.C. 7:27-22, Appendix. [N.J.A.C. 7:27-22.1]	None.	None.	None.
7	The percentage by weight of all HAPs collectively in the raw material stored in the tank shall be less than 1.0 percent. [N.J.A.C. 7:27-22.1]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
8	The owner or operator shall have readily available upon Department request a statement certified in accordance with N.J.A.C. 7:27-1.39, signed by the responsible official, as defined at N.J.A.C. 7:27-1.4, that: (1) specifies the contents of the tank; (2) affirms that the tank meets ALL the applicable requirements cited above and (3) attests that the tank is in compliance with all other applicable State or federal air pollution requirements. [N.J.A.C. 7:27-22.1]	None.	Other: Maintain readily accessible certification records onsite.[N.J.A.C. 7:27-22.16(a)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Subject Item:** IS13 2,500 gallon Distillate Fuel Oil Storage Tank (< 10,000 gallons, Non-Applicable VOC with vapor pressure < 0.02 psia)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Sulfur Content in Fuel <= 500 ppmw (0.05% by weight). Effective July 1, 2014 through June 30, 2016. [N.J.A.C. 7:27-9.2(a)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
2	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). Effective July 1, 2016. [N.J.A.C. 7:27-9.2(a)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
3	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27-9.2(a)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Subject Item:** IS14 40,000 gallon Distillate Fuel Oil Storage Tank ( $\geq 10,000$  gallons, Non-Applicable VOC with vapor pressure  $< 0.02$  psia)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Sulfur Content in Fuel $\leq 500$ ppmw (0.05% by weight). Effective July 1, 2014 through June 30, 2016. [N.J.A.C. 7:27-9.2(a)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
2	Sulfur Content in Fuel $\leq 15$ ppmw (0.0015% by weight). Effective July 1, 2016. [N.J.A.C. 7:27-9.2(a)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
3	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27-9.2(a)]	None.	None.	None.
4	The operating temperature shall not be greater than 350 degrees F. [N.J.A.C. 7:27-22.1]	None.	None.	None.
5	The vapor pressure of the liquid, excluding the vapor pressure of water, shall be less than 0.02 psia at the liquid's actual temperature or at 70 degrees F, whichever is higher. [N.J.A.C. 7:27-22.1]	None.	None.	None.
6	The tank shall have no visible emissions, exclusive of water vapor, to the outdoor atmosphere. [N.J.A.C. 7:27-22.1]	None.	None.	None.
7	The tank shall not emit any air contaminants which may cause an odor detectable outside the property boundaries of the facility. [N.J.A.C. 7:27-22.1]	None.	None.	None.
8	The tank(s) can not be subject to any NESHAPS, MACT, or NSPS air pollution control standards. [N.J.A.C. 7:27-22.1]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	The tank's potential to emit each TXS and each HAP shall not exceed the de minimis reporting thresholds as specified in N.J.A.C. 7:27-22, Appendix. [N.J.A.C. 7:27-22.1]	None.	None.	None.
10	The percentage by weight of all HAPs collectively in the raw material stored in the tank shall be less than 1.0 percent. [N.J.A.C. 7:27-22.1]	None.	None.	None.
11	The owner or operator shall have readily available upon Department request a statement certified in accordance with N.J.A.C. 7:27-1.39, signed by the responsible official, as defined at N.J.A.C. 7:27-1.4, that: (1) specifies the contents of the tank; (2) affirms that the tank meets the applicable requirements of Ref. #4 to #10 above and (3) attests that the tank is in compliance with all other applicable State or Federal air pollution requirements. [N.J.A.C. 7:27-22.1]	None.	None.	None.



New Jersey Department of Environmental Protection  
Facility Specific Requirements

Subject Item: IS15 Solid Storage Vessels (each unit < 2,000 cubic feet in storage capacity)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No additional applicable requirements. [N.J.A.C. 7:27-22]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Subject Item:** IS18 Liquid Storage Vessel < 1,000 gallons storage capacity, mixing liquids with vapor pressures < 1.5 psia, less water, in a non-reactive process

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The tank shall have no visible emissions, exclusive of water vapor, to the outdoor atmosphere. [N.J.A.C. 7:27-22.1]	None.	None.	None.
2	The tank shall not emit any air contaminants which may cause an odor detectable outside the property boundaries of the facility. [N.J.A.C. 7:27-22.1]	None.	None.	None.
3	The tank shall not be subject to any NESHAPS, MACT, or NSPS air pollution control standards, excluding the NSPS requirements to maintain a record of the contents of the tank, the period of storage of these contents, and the maximum true vapor pressure of the liquid stored. [N.J.A.C. 7:27-22.1]	None.	None.	None.
4	The tank's potential to emit each TXS and each HAP shall not exceed the de minimis reporting thresholds as specified in N.J.A.C. 7:27-22, Appendix. [N.J.A.C. 7:27-22.1]	None.	None.	None.
5	The percentage by weight of all HAPs collectively in the raw material stored in the tank shall be less than 1.0 percent. [N.J.A.C. 7:27-22.1]	None.	None.	None.
6	The owner or operator shall have readily available upon Department request a statement certified in accordance with N.J.A.C. 7:27-1.39, signed by the responsible official, as defined at N.J.A.C. 7:27-1.4, that: (1) specifies the contents of the tank; (2) affirms that the tank meets ALL the applicable requirements cited above and (3) attests that the tank is in compliance with all other applicable State or Federal air pollution requirements. [N.J.A.C. 7:27-22.1]	None.	Other: Maintain readily accessible certification records onsite.[N.J.A.C. 7:27-22.16(a)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Subject Item:** IS19 Gypcrete Printing Area (< 0.5 gal/hr and < 2.5 gal/day ink usage per printer)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Printer ink hourly usage limit shall not exceed 0.5 gallons per hour [N.J.A.C. 7:27-16.7(e)1]	None.	None.	None.
2	Printer ink daily usage shall not exceed 2.5 gallons per day. [N.J.A.C. 7:27-16.7(e)1]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Subject Item:** IS22 Temporary Diesel Generator ( < 1 MMBtu/hr max.heat input, < 37 kw)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % , exclusive of visible condensed water vapor, except for a period of not longer than 10 consecutive seconds. [N.J.A.C. 7:27- 3.5]	None.	None.	None.
2	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). Effective July 1, 2016. [N.J.A.C. 7:27- 9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
3	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(b)]	None.	None.	None.
4	Hours of Operation <= 960 hr/yr , from BOP160004. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Maintain onsite records that are easily accessible for Department inspection. [N.J.A.C. 7:27-22.16(o)]	None.
5	The owner or operator of a nonroad compression-ignition engine must comply with the certification emission standards in 40 CFR 89 for the same model year and maximum engine power. [N.J.A.C. 7:27-22.16(a)]	None.	Other: The owner or operator must keep manufacturer certification showing compliance with the applicable emission standards in 40 CFR 89 for the same model year and maximum engine power.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Subject Item:** IS23 Temporary Storage Silo (< 2000 ft<sup>3</sup> capacity)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No Visible Emissions, exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Subject Item:** IS24 Three (3) Slitters (each slitter <= 50 lb/hr raw material process rate), IS25 Cross Cutter (<= 50 lb/hr raw material process rate)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % , exclusive of condensed water vapor, except for 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] and [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Subject Item:** IS26 Four (4) Natural Gas-Fired Space Heaters (0.2 MMBtu/hr each)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] and [N.J.A.C. 7:27-3.2(c)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Subject Item:** GR1 NSPS General Provisions

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	All requests, reports, applications, submittal, and other communications required by 40 CFR 60 shall be submitted in duplicate to the EPA Region II Administrator: United States Environmental Protection Agency, Region II Air Compliance Branch 290 Broadway New York, NY 10007-1866. (NSPS Subpart A) [40 CFR 60.4(a)]	None.	None.	Submit a report: As per the approved schedule to EPA Region II as required by 40 CFR 60. [40 CFR 60.4(a)]
2	Submit copies of all requests, reports, applications, submittals, and other communications required by 40 CFR 60 to the NJDEP Central Regional Enforcement Office. (NSPS Subpart A) [40 CFR 60.4(b)]	None.	None.	Submit a report: As per the approved schedule to the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60. [40 CFR 60.4(b)]
3	The subpart A requirement under 40 CFR 60.7(a)(1) for notification of the date construction or reconstruction commenced is waived for affected facilities under 40 CFR 60 Subpart OOO. (NSPS Subpart OOO) [40 CFR 60.676(h)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	Submit a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 40 CFR 60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional relevant information subsequent to this notice. (NSPS Subpart A) [40 CFR 60.7(a)(4)]	None.	None.	Submit notification: Prior to occurrence of event (60 days or as soon as practicable before change is commenced). [40 CFR 60.a(4)]
5	Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (NSPS Subpart A) [40 CFR 60.7(b)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Maintain readily accessible records of the occurrence and duration of any startup, shutdown, or malfunction in a logbook. [40 CFR 60.7(b)]	None.
6	Except as specified in paragraphs (a)(1),(a)(2), (a)(3), and (a)(4) of Section 40 CFR 60.8, within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility, or at such other times specified by this part, and at such other times as may be required by the Administrator under section 114 of the Act, the owner or operator of such facility shall conduct performance test(s) and furnish the Administrator a written report of the results of such performance test(s). (NSPS Subpart A) [40 CFR 60.8(a)]	None.	None.	None.



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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	If a force majeure is about to occur, occurs, or has occurred for which the affected owner or operator intends to assert a claim of force majeure, the owner or operator shall notify the Administrator, in writing as soon as practicable following the date the owner or operator first knew, or through due diligence should have known that the event may cause or caused a delay in testing beyond the regulatory deadline, but the notification must occur before the performance test deadline unless the initial force majeure or a subsequent force majeure event delays the notice, and in such cases, the notification shall occur as soon as practicable. (NSPS Subpart A) [40 CFR 60.8(a)(1)]	None.	None.	None.
8	The owner or operator shall provide to the Administrator a written description of the force majeure event and a rationale for attributing the delay in testing beyond the regulatory deadline to the force majeure; describe the measures taken or to be taken to minimize the delay; and identify a date by which the owner or operator proposes to conduct the performance test. The performance test shall be conducted as soon as practicable after the force majeure occurs. (NSPS Subpart A) [40 CFR 60.8(a)(2)]	None.	None.	None.
9	The decision as to whether or not to grant an extension to the performance test deadline is solely within the discretion of the Administrator. The Administrator will notify the owner or operator in writing of approval or disapproval of the request for an extension as soon as practicable. (NSPS Subpart A) [40 CFR 60.8(a)(3)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	Until an extension of the performance test deadline has been approved by the Administrator under paragraphs (a)(1), (2), and (3) of Section 40 CFR 60.8, the owner or operator of the affected facility remains strictly subject to the requirements of this part. (NSPS Subpart A) [40 CFR 60.8(a)(4)]	None.	None.	None.
11	Performance tests shall be conducted and data reduced in accordance with the test methods and procedures contained in each applicable subpart unless the Administrator (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, (3) approves the use of an alternative method the results of which he has determined to be adequate for indicating whether a specific source is in compliance, (4) waives the requirement for performance tests because the owner or operator of a source has demonstrated by other means to the Administrator's satisfaction that the affected facility is in compliance with the standard, or (5) approves shorter sampling times and smaller sample volumes when necessitated by process variables or other factors. Nothing in this paragraph shall be construed to abrogate the Administrator's authority to require testing under section 114 of the Act. (NSPS Subpart A) [40 CFR 60.8(b)]	None.	None.	None.



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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	Performance tests shall be conducted under such conditions as the Administrator shall specify to the plant operator based on representative performance of the affected facility. The owner or operator shall make available to the Administrator such records as may be necessary to determine the conditions of the performance tests. Operations during periods of startup, shutdown, and malfunction shall not constitute representative conditions for the purpose of a performance test nor shall emissions in excess of the level of the applicable emission limit during periods of startup, shutdown, and malfunction be considered a violation of the applicable emission limit unless otherwise specified in the applicable standard. (NSPS Subpart A) [40 CFR 60.8(c)]	None.	None.	None.
13	The owner or operator of an affected facility shall provide the Administrator at least 30 days prior notice of any performance test, except as specified under other subparts, to afford the Administrator the opportunity to have an observer present. If after 30 days notice for an initially scheduled performance test, there is a delay (due to operational problems, etc.) in conducting the scheduled performance test, the owner or operator of an affected facility shall notify the Administrator (or delegated State or local agency) as soon as possible of any delay in the original test date, either by providing at least 7 days prior notice of the rescheduled date of the performance test, or by arranging a rescheduled date with the Administrator (or delegated State or local agency) by mutual agreement. (NSPS Subpart A) [40 CFR 60.8(d)]	None.	None.	None.



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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
14	The owner or operator of an affected facility shall provide, or cause to be provided, performance testing facilities as follows: (1) Sampling ports adequate for test methods applicable to such facility. This includes (i) constructing the air pollution control system such that volumetric flow rates and pollutant emission rates can be accurately determined by applicable test methods and procedures and (ii) providing a stack or duct free of cyclonic flow during performance tests, as demonstrated by applicable test methods and procedures. (2) Safe sampling platform(s). (3) Safe access to sampling platform(s). (4) Utilities for sampling and testing equipment. (NSPS Subpart A) [40 CFR 60.8(e)]	None.	None.	None.
15	Unless otherwise specified in the applicable subpart, each performance test shall consist of three separate runs using the applicable test method. Each run shall be conducted for the time and under the conditions specified in the applicable standard. For the purpose of determining compliance with an applicable standard, the arithmetic means of results of the three runs shall apply. In the event that a sample is accidentally lost or conditions occur in which one of the three runs must be discontinued because of forced shutdown, failure of an irreplaceable portion of the sample train, extreme meteorological conditions, or other circumstances, beyond the owner or operator's control, compliance may, upon the Administrator's approval, be determined using the arithmetic mean of the results of the two other runs. (NSPS Subpart A) [40 CFR 60.8(f)]	None.	None.	None.



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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
16	The owner or operator shall demonstrate compliance with NSPS opacity standards specified in 40 CFR Part 60. [40 CFR 60.11(b)]	Monitored by visual determination once initially, based on 6 minute blocks. Testing shall be conducted using Reference Method 9 in Appendix A of NSPS. For purposes of determining initial compliance, the minimum total time of observations shall be 3 hours (30 6-min averages) for the performance test. [40 CFR 60.11(b)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator shall maintain records of opacity of emissions based on Method 9 observations. [40 CFR 60.11(e)(2)]	Submit a report: At a common schedule agreed upon by the operator and the Administrator. The owner or operator shall submit results of Method 9 observation data to the Administrator. [40 CFR 60.11(e)(2)]
17	The NSPS opacity standard shall apply at all times except during periods of startup, shutdown, malfunctions and as otherwise specified in the applicable standard. [40 CFR 60.11(c)]	None.	None.	None.
18	At all times, including periods of start-up, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operation and maintenance procedures, and inspection of the source. [40 CFR 60.11(d)]	None.	None.	None.
19	For the purpose of demonstrating initial compliance, opacity observations shall be conducted concurrently with the initial performance test required in 40 CFR Part 60.8. If no performance test is required to be performed, then opacity observations shall be conducted within 60 days after achieving the maximum production rate at which the affected facility will be operated but no later than 180 days after initial startup of the facility. [40 CFR 60.11(e)(1)]	None.	None.	Submit notification: As per the approved schedule. The owner or operator shall notify the Administrator of the anticipated date for conducting the opacity observation. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during the performance test. The notification shall be postmarked not less than 30 days prior to such a date. [40 CFR 60.7(a)(6)]



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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
20	No owner or operator shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. (NSPS Subpart A) [40 CFR 60.12]	None.	None.	None.
21	The owner or operator shall notify the Administrator of the proposed replacement of components. (NSPS Subpart A) [40 CFR 60.15]	None.	None.	Submit notification: At a common schedule agreed upon by the operator and the Administrator. The notification shall include information listed under 40 CFR Part 60.15(d). The notification shall be postmarked 60 days (or as soon as practicable) before construction of the replacements is commenced. [40 CFR 60.15(d)]
22	Changes in time periods for submittal of information and postmark deadlines set forth in this subpart, may be made only upon approval by the Administrator and shall follow procedures outlined in 40 CFR Part 60.19. (NSPS Subpart A) [40 CFR 60.19]	None.	None.	None.



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### New Jersey Department of Environmental Protection Facility Specific Requirements

Emission Unit: U2 Kettle Calciners #1, #2 and #3

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The owner or operator of an industrial/commercial/institutional boiler or other indirect heat exchanger with a gross heat input of at least five million BTU per hour or more shall adjust the combustion process annually in the same quarter of each calendar year. The adjustment of the combustion process shall be done in accordance with the procedure set forth at N.J.A.C. 7:27-19.16. [N.J.A.C. 7:27-16.8(b)], [N.J.A.C. 7:27-16.8(c)] and [N.J.A.C. 7:27-19.7(g)]	Monitored by periodic emission monitoring annually. The owner or operator shall perform the adjustment of the combustion process in accordance with the specific procedures for combustion adjustment monitoring specified in NJDEP Technical Manual 1005 and the procedure set forth at N.J.A.C. 7:27-19.16(a) as follows: 1. Inspect the burner, and clean or replace any components of the burner as necessary; 2. Inspect the flame pattern and make any adjustments to the burner necessary to optimize the flame pattern consistent with the manufacturer's specifications; 3. Inspect the system controlling the air-to-fuel ratio, and ensure that it is correctly calibrated and functioning properly; 4. Minimize the total emissions of NOx and CO consistent with the manufacturer's specifications; 5. Measure the concentrations in the effluent stream of NOx, CO and O2 in ppmvd, before and after the adjustment is made; and 6. Convert the emission values of NOx, CO and O2 concentrations measured in lb/MMBTU according to the following formula: $Lb/MMBTU = ppmvd * MW * F \text{ dry factor} * O2 \text{ correction factor} / 387,000,000$ , where: ppmvd is the concentration in parts per million by volume, dry basis, of NOx or CO; MW is the Molecular Weight for NOx=46 lb/lb-mole, CO=28 lb/lb-mole; F Dry factor for: Natural Gas = 8,710 dscf/MMBTU, Residual or fuel oil = 9,190 dscf/MMBTU; O2 correction factor: $(20.9\%) / (20.9\% - O2 \text{ measured})$ , where O2 measured is percent oxygen on a dry basis. [N.J.A.C. 7:27-19.16(a)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon performing combustion adjustment of the following information for each adjustment: 1. The date of the adjustment and the times at which it began and ended; 2. The name, title and affiliation of the person who made the adjustment; 3. The NOx and CO concentrations in the effluent stream, in ppmvd, before and after each actual adjustment was made; 4. The concentration of O2 (in percent dry basis) at which the CO and NOx concentrations were measured; 5. A description of any corrective action taken; 6. Results from any subsequent test performed after taking any corrective action, including concentrations and converted emission values in (lb/MMBTU); 7. The type and amount of fuel used over the 12 months prior to the annual adjustment; 8. Any other information which the Department or the EPA has required as a condition of approval of any permit or certificate issued for the source operation. The records must be retained for a minimum of five years and to be made readily accessible to the Department upon request. [N.J.A.C. 7:27-19.16(b)]	Submit a report: Annually. The owner or operator shall submit an annual adjustment combustion process report to the department within 45 days after the adjustment of the combustion process is completed. The report shall be submitted electronically to: <a href="http://www.njdeponline.com">www.njdeponline.com</a> . Instructions for submitting this report online are specified at: <a href="http://www.nj.gov/dep/aqpp/adjustment.htm">http://www.nj.gov/dep/aqpp/adjustment.htm</a> . [N.J.A.C. 7:27-19.16(d)] and [N.J.A.C. 7:27-19.16(c)]



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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
2	The owner or operator of the adjusted equipment or source operation shall ensure that the operating parameter settings are established and recorded after the combustion process is adjusted and that the adjusted equipment or source operation is maintained to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)]	Other: Monitored by the operating parameter settings that are established after the combustion process is adjusted in order to operate consistent with the annual adjustment. [N.J.A.C. 7:27-19.16(e)].	Other: The owner or operator shall record the operating parameter settings that are established after the combustion process is adjusted and retain until the next annual adjustment, to be made readily accessible to the Department upon request. [N.J.A.C. 7:27-19.16(e)].	None.



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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	VOC (Total) <= 3.5 lb/hr. Maximum allowable emission rate as determined from Tables 16A and 16B, based on VOC vapor pressure and percent by volume of the VOC from each source operation as specified in [N.J.A.C. 7:27-16.16(c)] and. [N.J.A.C. 7:27-16.16(d)]	Other: Monitored by calculations and/or analysis of the source operations for each different kind of batch or continuous process for which the source operations is used.[N.J.A.C. 7:27-22.16(o)].	Other: Recordkeeping by manual logging of VOC (Total) hourly emission rate per change of material, in a logbook or readily accessible computer memory. The owner or operator shall maintain records for each different kind of batch or continuous process for which the source operation is used. The following shall be recorded with the information determined in accordance with the Procedure for Using Table 16A: 1. The chemical name and vapor pressure of each VOC used. 2. The percent concentration by volume of VOC in the source gas 3. The volumetric gas flow rate 4. The source gas range classification 5. The maximum allowable emission rate 6. The maximum actual emission rate. 7. Maintain any calculation and test data used to determine the actual emission rate. 8. If the source operation is used for more than one process, the dates the source operation is used for each process. or Conduct an analysis of the source operation, which demonstrates that, under operating conditions that maximize the VOC emissions after any control, the VOC emission rate of the source operation is in compliance with this section; and maintain process records sufficient to demonstrate whether the VOC emission rate of the source operation from actual operations does not exceed the VOC emission rate under operating conditions. The records shall be maintained for a period of no less than five years and make those records available upon request of the Department or EPA. [N.J.A.C. 7:27-16.16(g)1] and.[N.J.A.C. 7:27-16.22(a)].	None.



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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	VOC (Total) <= 1.67 tons/yr combined for Kettle Calciners #1, #2 and #3. [N.J.A.C. 7:27-22.16(a)]	<p>VOC (Total): Monitored by calculations quarterly: once per quarter; quarters shall begin on January 1, April 1, July 1, and October 1 of each year. The annual emission rate shall be calculated using the quantity of each fuel used and the following emission factors:</p> <p>Kettle Calciner #1: 0.017 lbs/MMbtu for natural gas and 0.036 lbs/MMbtu for low sulfur distillate fuel oil.</p> <p>Kettle Calciner #2 and #3: 0.005 lbs/MMbtu for natural gas and 0.002 lbs/MMbtu for low sulfur distillate fuel oil.</p> <p>Process emissions and coating/printing emissions shall be calculated using mass balance. [N.J.A.C. 7:27-22.16(o)]</p>	VOC (Total): Recordkeeping by manual logging of parameter quarterly: once per quarter; quarters shall begin on January 1, April 1, July 1, and October 1 of each year. The emission calculations shall be recorded. [N.J.A.C. 7:27-22.16(e)]	None.
5	NOx (Total) <= 14.8 tons/yr combined for Kettle Calciners #1, #2 and #3. [N.J.A.C. 7:27-22.16(a)]	<p>NOx (Total): Monitored by calculations quarterly: once per quarter; quarters shall begin on January 1, April 1, July 1, and October 1 of each year. The annual emission rate shall be calculated using the quantity of each fuel used and the following emission factors:</p> <p>Kettle Calciner #1: 0.072 lbs/MMbtu for natural gas and 0.193 lbs/MMbtu for low sulfur distillate fuel oil.</p> <p>Kettle Calciner #2 and #3: 0.098 lbs/MMbtu for natural gas and 0.141 lbs/MMbtu for low sulfur distillate fuel oil. [N.J.A.C. 7:27-22.16(o)]</p>	NOx (Total): Recordkeeping by manual logging of parameter quarterly: once per quarter; quarters shall begin on January 1, April 1, July 1, and October 1 of each year. The emission calculations shall be recorded. [N.J.A.C. 7:27-22.16(e)]	None.



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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	CO <= 10.7 tons/yr combined for Kettle Calciners #1, #2 and #3. [N.J.A.C. 7:27-22.16(a)]	CO: Monitored by calculations quarterly: once per quarter; quarters shall begin on January 1, April 1, July 1, and October 1 of each year. The annual emission rate shall be calculated using the quantity of each fuel used and the following emission factors:  Kettle Calciner #1: 0.037 lbs/MMbtu for natural gas and 0.079 lbs/MMbtu for low sulfur distillate fuel oil.  Kettle Calciner #2 and #3: 0.082 lbs/MMbtu for natural gas and 0.035 lbs/MMbtu for low sulfur distillate fuel oil. [N.J.A.C. 7:27-22.16(o)]	CO: Recordkeeping by manual logging of parameter quarterly: once per quarter; quarters shall begin on January 1, April 1, July 1, and October 1 of each year. The emission calculations shall be recorded. [N.J.A.C. 7:27-22.16(e)]	None.
7	TSP <= 2.04 tons/yr combined for Kettle Calciners #1, #2 and #3. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by calculations quarterly: once per quarter; quarters shall begin on January 1, April 1, July 1, and October 1 of each year. The annual emission rate shall be calculated using the quantity of each fuel used and the following emission factors:  Kettle Calciner #1, #2 and #3: 0.0075 lbs/MMbtu for natural gas, 0.0232 lbs/MMbtu for low sulfur distillate fuel oil and 0.006 lbs/ton for process emissions. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by manual logging of parameter quarterly: once per quarter; quarters shall begin on January 1, April 1, July 1, and October 1 of each year. The emission calculations shall be recorded. [N.J.A.C. 7:27-22.16(o)]	None.
8	PM-10 (Total) <= 2.04 tons/yr combined for Kettle Calciners #1, #2 and #3. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) <= 2.04 tons/yr combined for Kettle Calciners #1, #2 and #3. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	Fuel limited to natural gas and ultra low sulfur distillate oil. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.



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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	Pressure Drop Across the Baghouse $\geq 1$ and Pressure Drop Across the Baghouse $\leq 8$ inches w.c. for CD1. (Applies to U2 OS1, OS2 and OS3). [N.J.A.C. 7:27-22.16(e)]	Pressure Drop Across the Baghouse: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily in a logbook or other electronic data management system. [N.J.A.C. 7:27-22.16(o)]	None.
12	Pressure Drop Across the Baghouse $\geq 1$ and Pressure Drop Across the Baghouse $\leq 8$ inches w.c. for CD2. (Applies to U2 OS4, OS5 and OS6). [N.J.A.C. 7:27-22.16(e)]	Pressure Drop Across the Baghouse: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily in a logbook or other electronic data management system. [N.J.A.C. 7:27-22.16(o)]	None.
13	Pressure Drop Across the Baghouse $\geq 1$ and Pressure Drop Across the Baghouse $\leq 8$ inches w.c. for CD3. (Applies to U2 OS7, OS8 and OS9). [N.J.A.C. 7:27-22.16(e)]	Pressure Drop Across the Baghouse: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily in a logbook or other electronic data management system. [N.J.A.C. 7:27-22.16(o)]	None.
14	The permittee shall inspect and maintain each dust collector, CD1, CD2 and CD3 and replace the filter media on a schedule which will ensure the dust collector efficiency is maintained. Each dust collector, CD1, CD2 and CD3, shall be operated and maintained in accordance with the manufacturer's recommendations. [N.J.A.C. 7:27-22.16(e)]	Monitored by visual determination at the manufacturer's specified frequency. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Record each inspection and maintenance event in a logbook or readily accessible computer memory. [N.J.A.C. 7:27-22.16(o)]	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Emission Unit:** U2 Kettle Calciners #1, #2 and #3**Operating Scenario:** OS1 Kettle #1 Natural Gas combustion emissions - E3-CD1-PT3-PT4

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 6.8 lb/hr based on maximum heat input rate. [N.J.A.C. 7:27-4.2(a)]	None.	None.	None.
2	No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)], [N.J.A.C. 7:27-3.2(c)] and [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	VOC (Total) <= 0.238 lb/hr based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	NOx (Total) <= 1.01 lb/hr based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	CO <= 0.518 lb/hr based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	TSP <= 0.11 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-10 (Total) <= 0.11 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-2.5 (Total) <= 0.11 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Maximum Gross Heat Input <= 14 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
10	Natural Gas Usage <= 122.6 MMft <sup>3</sup> for any 12 consecutive months based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	Natural Gas Usage: Monitored by fuel flow/firing rate instrument continuously. [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation in a log book or in readily accessible computer memories. Cubic feet for any 12 consecutive months is computed by adding the fuel consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	All requests, reports, applications, submittal, and other communications required by 40 CFR 60 shall be submitted in duplicate to the EPA Region II Administrator: United States Environmental Protection Agency, Region II Air Compliance Branch 290 Broadway New York, NY 10007-1866. (NSPS Subpart A) [40 CFR 60.4(a)]	None.	None.	Submit a report: As per the approved schedule to EPA Region II as required by 40 CFR 60. [40 CFR 60.4(a)]
12	Submit copies of all requests, reports, applications, submittals, and other communications required by 40 CFR 60 to the NJDEP Regional Enforcement Office. (NSPS Subpart A) [40 CFR 60.4(b)]	None.	None.	Submit a report: As per the approved schedule to the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60. [40 CFR 60.4(b)]
13	Submit a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 40 CFR 60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional relevant information subsequent to this notice. (NSPS Subpart A) [40 CFR 60.7(a)(4)]	None.	None.	Submit notification: Prior to occurrence of event (60 days or as soon as practicable before change is commenced). [40 CFR 60.a(4)]
14	Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (NSPS Subpart A) [40 CFR 60.7(b)]	None.	Other: Recordkeeping by manual logging of event or storing data in a computer data system upon occurrence of event. Maintain readily accessible records of the occurrence and duration of any startup, shutdown, or malfunction in a logbook.[40 CFR 60.7(b)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
15	Maintain a file of all measurements. (NSPS Subpart A) [40 CFR 60.7(f)]	None.	Other: Recordkeeping by manual logging of all measurements or storing data in a computer data system continuously. Maintain a file of all measurements, incl. continuous monitoring systems, monitoring device, & performance testing measurements: all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks: adjustments & maintenance performed on these systems or devices: & all other information required by this part recorded in a permanent form suitable for inspections. The file shall be retained for a least 2 years following the date of such measurements, maintenance, reports, & records.[40 CFR 60.7(f)].	None.
16	At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (NSPS Subpart A) [40 CFR 60.11(d)]	None.	None.	None.
17	No owner or operator shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. (NSPS Subpart A) [40 CFR 60.12]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
18	The owner or operator shall notify the Administrator of the proposed replacement of components. (NSPS Subpart A) [40 CFR 60.15]	None.	None.	Submit notification: At a common schedule agreed upon by the operator and the Administrator. The notification shall include information listed under 40 CFR Part 60.15(d). The notification shall be postmarked 60 days (or as soon as practicable) before construction of the replacements is commenced. [40 CFR 60.15(d)]
19	Changes in time periods for submittal of information and postmark deadlines set forth in this subpart, may be made only upon approval by the Administrator and shall follow procedures outlined in 40 CFR Part 60.19. (NSPS Subpart A) [40 CFR 60.19]	None.	None.	None.
20	Particulate Emissions $\leq 0.025$ gr/scf (dry) or $0.057$ g/dscm. Each owner or operator of any affected facility that is subject to the requirements of this subpart shall comply with the emission limitations set forth in this section on and after the date on which the initial performance test required by 40 CFR 60.8 is completed, but not later than 180 days after the initial startup, whichever date comes first. (NSPS Subpart UUU). [40 CFR 60.732(a)]	None.	None.	None.
21	Opacity $\leq 10$ %. Each owner or operator of any affected facility that is subject to the requirements of this subpart shall comply with the emission limitations set forth in this section on and after the date on which the initial performance test required by 40 CFR 60.8 is completed, but not later than 180 days after the initial startup, whichever date comes first. (NSPS Subpart UUU). [40 CFR 60.732(b)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U2 Kettle Calciners #1, #2 and #3

Operating Scenario: OS2 Kettle #1 Ultra Low Sulfur Distillate Fuel Oil combustion emissions - E3-CD1-PT3-PT4

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 6.8 lb/hr based on maximum heat input rate. [N.J.A.C. 7:27-4.2(a)]	None.	None.	None.
2	No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)], [N.J.A.C. 7:27-3.2(c)] and [N.J.A.C. 7:27-22.16(e)]	<p>Monitored by visual determination each month during operation, based on an instantaneous determination. For compliance with the opacity standard, the permittee shall conduct visual opacity inspections during daylight hours. Visual inspections shall consist of a visual survey to identify if the stack has visible emissions, exclusive of visible condensed water vapor, to be greater than prescribed standard. If visible emissions are observed, the permittee shall do the following:</p> <p>(1) Verify that the equipment and/or control device causing/controlling the emission is operating according to manufacturer's specifications and the operating permit compliance plan. If the equipment or control device is not operating properly, the permittee shall take corrective action immediately to eliminate the excess emissions. The permittee must report any permit violations to NJDEP pursuant to N.J.A.C. 7:27-22.19.</p> <p>(2) If the corrective action taken in step (1) does not correct the opacity problem within 24 hours, the applicant shall perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Such test shall be conducted each day until corrective action is taken to successfully correct the opacity problem. [N.J.A.C. 7:27-22.16(o)]</p>	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation (in a logbook or other electronic data management system) and retain the following records:</p> <p>(1) Date and time of inspection;  (2) Emission point number;  (3) Operational status of the equipment;  (4) Observed results and conclusions;  (5) Description of corrective action taken if needed;  (6) Date and time opacity problem was solved, if applicable;  (7) N.J.A.C. 7:27B-2 results if conducted; and  (8) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]</p>	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	Sulfur Content in Fuel <= 0.0015 % by weight. [N.J.A.C. 7:27-22.16(a)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
4	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). Effective July 1, 2016. [N.J.A.C. 7:27- 9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
5	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(b)]	None.	None.	None.
6	VOC (Total) <= 0.504 lb/hr based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
7	NOx (Total) <= 2.702 lb/hr based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
8	CO <= 1.106 lb/hr based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
9	TSP <= 0.33 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	PM-10 (Total) <= 0.33 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	PM-2.5 (Total) <= 0.33 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	Maximum emission rate of SO2 based on ultra low sulfur fuel oil is below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
13	Maximum Gross Heat Input <= 14 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
14	Fuel Oil Usage <= 367,000 gallons for any 12 consecutive months. Maximum #2 fuel oil usage based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	Fuel Oil Usage: Monitored by fuel flow/firing rate instrument continuously. [N.J.A.C. 7:27-22.16(o)]	Fuel Oil Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation in a log book or in readily accessible computer memories. Gallons for any 12 consecutive months is computed by adding the fuel consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
15	All requests, reports, applications, submittal, and other communications required by 40 CFR 60 shall be submitted in duplicate to the EPA Region II Administrator: United States Environmental Protection Agency, Region II Air Compliance Branch 290 Broadway New York, NY 10007-1866. (NSPS Subpart A) [40 CFR 60.4(a)]	None.	None.	Submit a report: As per the approved schedule to EPA Region II as required by 40 CFR 60. [40 CFR 60.4(a)]
16	Submit copies of all requests, reports, applications, submittals, and other communications required by 40 CFR 60 to the NJDEP Regional Enforcement Office. (NSPS Subpart A) [40 CFR 60.4(b)]	None.	None.	Submit a report: As per the approved schedule to the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60. [40 CFR 60.4(b)]
17	Submit a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 40 CFR 60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional relevant information subsequent to this notice. (NSPS Subpart A) [40 CFR 60.7(a)(4)]	None.	None.	Submit notification: Prior to occurrence of event (60 days or as soon as practicable before change is commenced). [40 CFR 60.a(4)]



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
18	Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (NSPS Subpart A) [40 CFR 60.7(b)]	None.	Other: Recordkeeping by manual logging of event or storing data in a computer data system upon occurrence of event. Maintain readily accessible records of the occurrence and duration of any startup, shutdown, or malfunction in a logbook.[40 CFR 60.7(b)].	None.
19	Maintain a file of all measurements. (NSPS Subpart A) [40 CFR 60.7(f)]	None.	Other: Recordkeeping by manual logging of all measurements or storing data in a computer data system continuously. Maintain a file of all measurements, incl. continuous monitoring systems, monitoring device, & performance testing measurements: all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks: adjustments & maintenance performed on these systems or devices: & all other information required by this part recorded in a permanent form suitable for inspections. The file shall be retained for a least 2 years following the date of such measurements, maintenance, reports, & records.[40 CFR 60.7(f)].	None.
20	At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (NSPS Subpart A) [40 CFR 60.11(d)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
21	No owner or operator shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. (NSPS Subpart A) [40 CFR 60.12]	None.	None.	None.
22	The owner or operator shall notify the Administrator of the proposed replacement of components. (NSPS Subpart A) [40 CFR 60.15]	None.	None.	Submit notification: At a common schedule agreed upon by the operator and the Administrator. The notification shall include information listed under 40 CFR Part 60.15(d). The notification shall be postmarked 60 days (or as soon as practicable) before construction of the replacements is commenced. [40 CFR 60.15(d)]
23	Changes in time periods for submittal of information and postmark deadlines set forth in this subpart, may be made only upon approval by the Administrator and shall follow procedures outlined in 40 CFR Part 60.19. (NSPS Subpart A) [40 CFR 60.19]	None.	None.	None.
24	Particulate Emissions $\leq 0.025$ gr/scf (dry) or $0.057$ g/dscm. Each owner or operator of any affected facility that is subject to the requirements of this subpart shall comply with the emission limitations set forth in this section on and after the date on which the initial performance test required by 40 CFR 60.8 is completed, but not later than 180 days after the initial startup, whichever date comes first. (NSPS Subpart UUU). [40 CFR 60.732(a)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
25	Opacity <= 10 %. Each owner or operator of any affected facility that is subject to the requirements of this subpart shall comply with the emission limitations set forth in this section on and after the date on which the initial performance test required by 40 CFR 60.8 is completed, but not later than 180 days after the initial startup, whichever date comes first. (NSPS Subpart UUU). [40 CFR 60.732(b)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U2 Kettle Calciners #1, #2 and #3

Operating Scenario: OS3 Kettle #1 emissions Only - E3-CD1-PT4

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.6 lb/hr based on 0.02 grains per scf. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	Opacity <= 20 % , exclusive of condensed water vapor, for a period of not longer than three (3) minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] and. [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.
3	No Visible Emissions: There shall be no visible emissions, exclusive of visible water vapor, except for three minutes in any consecutive thirty minute period. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	TSP <= 0.12 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	PM-10 (Total) <= 0.12 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	PM-2.5 (Total) <= 0.12 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Raw material limited to gypsum rock, impurities, recycled gypsum products, and other ingredients necessary for the production of gypsum products. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by review of material delivery records.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain invoices, bills of lading, and/or MSDS sheets for raw materials received.[N.J.A.C. 7:27-22.16(o)].	None.
8	Total Material Transferred <= 40,000 lb/hr. Maximum output rate based on operating permit application BOP090001. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
9	Total Material Transferred <= 175,200 tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(e)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	All requests, reports, applications, submittal, and other communications required by 40 CFR 60 shall be submitted in duplicate to the EPA Region II Administrator: United States Environmental Protection Agency, Region II Air Compliance Branch 290 Broadway New York, NY 10007-1866. (NSPS Subpart A) [40 CFR 60.4(a)]	None.	None.	Submit a report: As per the approved schedule to EPA Region II as required by 40 CFR 60. [40 CFR 60.4(a)]
11	Submit copies of all requests, reports, applications, submittals, and other communications required by 40 CFR 60 to the NJDEP Regional Enforcement Office. (NSPS Subpart A) [40 CFR 60.4(b)]	None.	None.	Submit a report: As per the approved schedule to the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60. [40 CFR 60.4(b)]
12	Submit a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 40 CFR 60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional relevant information subsequent to this notice. (NSPS Subpart A) [40 CFR 60.7(a)(4)]	None.	None.	Submit notification: Prior to occurrence of event (60 days or as soon as practicable before change is commenced). [40 CFR 60.a(4)]
13	Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (NSPS Subpart A) [40 CFR 60.7(b)]	None.	Other: Recordkeeping by manual logging of event or storing data in a computer data system upon occurrence of event. Maintain readily accessible records of the occurrence and duration of any startup, shutdown, or malfunction in a logbook.[40 CFR 60.7(b)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
14	Maintain a file of all measurements. (NSPS Subpart A) [40 CFR 60.7(f)]	None.	Other: Recordkeeping by manual logging of all measurements or storing data in a computer data system continuously. Maintain a file of all measurements, incl. continuous monitoring systems, monitoring device, & performance testing measurements: all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks: adjustments & maintenance performed on these systems or devices: & all other information required by this part recorded in a permanent form suitable for inspections. The file shall be retained for a least 2 years following the date of such measurements, maintenance, reports, & records.[40 CFR 60.7(f)].	None.
15	At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (NSPS Subpart A) [40 CFR 60.11(d)]	None.	None.	None.
16	No owner or operator shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. (NSPS Subpart A) [40 CFR 60.12]	None.	None.	None.



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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
17	The owner or operator shall notify the Administrator of the proposed replacement of components. (NSPS Subpart A) [40 CFR 60.15]	None.	None.	Submit notification: At a common schedule agreed upon by the operator and the Administrator. The notification shall include information listed under 40 CFR Part 60.15(d). The notification shall be postmarked 60 days (or as soon as practicable) before construction of the replacements is commenced. [40 CFR 60.15(d)]
18	Changes in time periods for submittal of information and postmark deadlines set forth in this subpart, may be made only upon approval by the Administrator and shall follow procedures outlined in 40 CFR Part 60.19. (NSPS Subpart A) [40 CFR 60.19]	None.	None.	None.
19	Particulate Emissions $\leq 0.025$ gr/scf (dry) or $0.057$ g/dscm. Each owner or operator of any affected facility that is subject to the requirements of this subpart shall comply with the emission limitations set forth in this section on and after the date on which the initial performance test required by 40 CFR 60.8 is completed, but not later than 180 days after the initial startup, whichever date comes first. (NSPS Subpart UUU). [40 CFR 60.732(a)]	None.	None.	None.
20	Opacity $\leq 10$ %. Each owner or operator of any affected facility that is subject to the requirements of this subpart shall comply with the emission limitations set forth in this section on and after the date on which the initial performance test required by 40 CFR 60.8 is completed, but not later than 180 days after the initial startup, whichever date comes first. (NSPS Subpart UUU). [40 CFR 60.732(b)]	None.	None.	None.



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Facility Specific Requirements**

**Emission Unit:** U2 Kettle Calciners #1, #2 and #3**Operating Scenario:** OS4 Kettle #2 Natural Gas combustion emissions - E4-CD2-PT5-PT6, OS7 Kettle #3 Natural Gas combustion emissions - E5-CD3-PT7-PT8

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 6.8 lb/hr based on maximum heat input rate. [N.J.A.C. 7:27-4.2(a)]	None.	None.	None.
2	No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] and [N.J.A.C. 7:27- 3.2(c)]	None.	None.	None.
3	VOC (Total) <= 0.08 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	NOx (Total) <= 1.38 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	CO <= 1.16 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP <= 0.12 lb/hr based on emission factors from AP-42 Section 11.6. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-10 (Total) <= 0.12 lb/hr based on emission factors from AP-42 Section 11.6. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-2.5 (Total) <= 0.11 lb/hr based on PM-10 emissions. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Maximum Gross Heat Input <= 14 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
10	Natural Gas Usage <= 98 MMft <sup>3</sup> . [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel flow/firing rate instrument continuously. [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation in a log book or in readily accessible computer memories. Cubic feet for any 12 consecutive months is computed by adding the fuel consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Emission Unit:** U2 Kettle Calciners #1, #2 and #3**Operating Scenario:** OS5 Kettle #2 Ultra Low Sulfur Distillate Fuel Oil combustion emissions - E4-CD2-PT5-PT6, OS8 Kettle #3 Ultra Low Sulfur Distillate Fuel Oil combustion emissions - E5-CD3-PT7-PT8

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 6.8 lb/hr based on maximum heat input rate. [N.J.A.C. 7:27-4.2(a)]	None.	None.	None.
2	No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] and [N.J.A.C. 7:27- 3.2(c)]	<p>Monitored by visual determination each month during operation, based on an instantaneous determination. For compliance with the opacity standard, the permittee shall conduct visual opacity inspections during daylight hours. Visual inspections shall consist of a visual survey to identify if the stack has visible emissions, exclusive of visible condensed water vapor, to be greater than prescribed standard. If visible emissions are observed, the permittee shall do the following:</p> <p>(1) Verify that the equipment and/or control device causing/controlling the emission is operating according to manufacturer's specifications and the operating permit compliance plan. If the equipment or control device is not operating properly, the permittee shall take corrective action immediately to eliminate the excess emissions. The permittee must report any permit violations to NJDEP pursuant to N.J.A.C. 7:27-22.19.</p> <p>(2) If the corrective action taken in step (1) does not correct the opacity problem within 24 hours, the applicant shall perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Such test shall be conducted each day until corrective action is taken to successfully correct the opacity problem. [N.J.A.C. 7:27-22.16(o)]</p>	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event each month (in a logbook or other electronic data management system) and retain the following records:</p> <p>(1) Date and time of inspection;  (2) Emission point number;  (3) Operational status of the equipment;  (4) Observed results and conclusions;  (5) Description of corrective action taken if needed;  (6) Date and time opacity problem was solved, if applicable;  (7) N.J.A.C. 7:27B-2 results if conducted; and  (8) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]</p>	None.



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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	Sulfur Content in Fuel <= 0.0015 % by weight. [N.J.A.C. 7:27-22.16(a)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
4	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). [N.J.A.C. 7:27-9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
5	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(b)]	None.	None.	None.
6	NOx (Total) <= 1.98 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	CO <= 0.5 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	TSP <= 0.33 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-10 (Total) <= 0.33 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	PM-2.5 (Total) <= 0.33 lb/hr. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	Maximum emission rate of VOC and SO2 are below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	Maximum Gross Heat Input <= 14 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.



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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	Fuel Oil Usage <= 100,000 gallons for any 12 consecutive months. [N.J.A.C. 7:27-22.16(e)]	Fuel Oil Usage: Monitored by fuel flow/firing rate instrument continuously. [N.J.A.C. 7:27-22.16(o)]	Fuel Oil Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation in a log book or in readily accessible computer memories. Gallons for any 12 consecutive months is computed by adding the fuel consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Emission Unit:** U2 Kettle Calciners #1, #2 and #3**Operating Scenario:** OS6 Kettle #2 emissions only - E4-CD2-PT6, OS9 Kettle #3 emissions only - E5-CD3-PT8

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.55 lb/hr based on 99% collection efficiency of baghouse. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	Opacity <= 20 % , exclusive of condensed water vapor, for a period of not longer than three (3) minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] and. [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.
3	TSP <= 0.12 lb/hr based on emission factors from AP-42 Section 11.6. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	PM-10 (Total) <= 0.12 lb/hr based on emission factors from AP-42 Section 11.6. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	PM-2.5 (Total) <= 0.12 lb/hr based on PM10 emissions. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Raw material limited to gypsum rock, impurities, recycled gypsum products, and other ingredients necessary for the production of gypsum products. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by review of material delivery records.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain invoices, bills of lading, and/or MSDS sheets for raw materials received.[N.J.A.C. 7:27-22.16(o)].	None.
7	Total Material Transferred <= 40,000 lb/hr. Maximum output rate based on operating permit application BOP090001. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
8	Total Material Transferred <= 175,200 tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U6 Boiler for Office Heat

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] and [N.J.A.C. 7:27- 3.2(c)]	None.	None.	None.
2	Particulate Emissions <= 1.5 lb/hr based on maximum heat input rate. [N.J.A.C. 7:27-4.2(a)]	None.	None.	None.
3	NOx (Total) <= 1.07 tons/yr based on Initial operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	CO <= 0.9 tons/yr based on General Permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	Maximum Gross Heat Input <= 2.5 MMBTU/hr (HHV). [N.J.A.C. 7:27-22.16(e)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U6 Boiler for Office Heat

Operating Scenario: OS1 Office Heat Boiler - Natural Gas - E6-PT9

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	NO <sub>x</sub> (Total) <= 0.25 lb/hr. Maximum hourly emission rate based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	CO <= 0.21 lb/hr. Maximum hourly emission rate based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Fuel limited to natural gas. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Natural Gas Usage <= 21.5 MMft <sup>3</sup> per calendar year. Maximum usage based on fuel higher heating value of 1,020 Btu/scf and 8760 hours/year operation. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Maximum emission rate of VOC, SO <sub>2</sub> , TSP, PM <sub>10</sub> from operating permit application are below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.



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Facility Specific Requirements**

Emission Unit: U8 Process Water Heater

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.01 lb/hr based on maximum heat input rate. [N.J.A.C. 7:27-4.2(a)]	None.	None.	None.
2	Maximum Gross Heat Input <= 1.68 MMBTU/hr. Maximum gross heat input based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
3	NOx (Total) <= 1.04 tons/yr. Maximum annual emission rate based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	CO <= 0.26 tons/yr. Maximum annual emission rate based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	SO2 <= 0.005 tons/yr. Maximum annual emission rate from BOP140001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	Fuel use limited to natural gas as the primary fuel and #2 fuel oil as the secondary fuel (emergency use only per MACT Subpart JJJJJ) from operating permit application BOP090001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.



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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	<p>The owner or operator shall operate the Process Heater (U8, E8) as a gas-fired boiler as defined in MACT Subpart JJJJJ, 40 CFR 63.11237.</p> <p>The gas-fired boiler shall only operate on fuel oil if:</p> <ol style="list-style-type: none"> <li>1) the owner or operator is not practicably able to obtain a sufficient supply of natural gas;</li> <li>2) the owner or operator's inability to obtain natural gas due to circumstances beyond the control of the owner or operator, such as a natural gas curtailment; and</li> <li>3) the combustion source ceases using fuel oil or other liquid fuel in place of natural gas and resumes using natural gas as soon as a sufficient supply of natural gas becomes practicably available.</li> </ol> <p>However, the owner or operator may periodically fire fuel oil or other liquid fuel for testing and maintenance. The owner or operator shall not fire fuel oil or other liquid fuel for testing and maintenance on days when the Department forecasts air quality anywhere in New Jersey to be unhealthy for sensitive groups, unhealthy, or very unhealthy as shown at the Department's air quality permitting web site at <a href="http://www.state.nj.us/dep/aqpp/aqforecast">http://www.state.nj.us/dep/aqpp/aqforecast</a>. [40 CFR 63.11237], [40 CFR 63.11195(e)] (MACT Subpart JJJJJ) &amp; [N.J.A.C. 7:27-22.16(a)]</p>	<p>Other: Monitor boiler fuel usage.[N.J.A.C. 7:27-22.16(o)].</p>	<p>Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Maintain records that include the following:</p> <p>For curtailment periods,</p> <ol style="list-style-type: none"> <li>1) information sufficient to identify each combustion source for which the owner or operator claims an exemption, including a brief description of the source, its location, its permit number, and other identifying numbers, and any other information necessary to distinguish it from other equipment owned and operated by the facility;</li> <li>2) a statement that the owner or operator is not practicably able to obtain a sufficient supply of natural gas;</li> <li>3) the date and time at which the owner or operator first became practicably unable to obtain natural gas; and</li> <li>4) a description of the circumstances causing the owner or operator's inability to obtain natural gas.</li> </ol> <p>For testing and maintenance periods,</p> <ol style="list-style-type: none"> <li>1) the date and number of hours fuel oil or other liquid fuel has been combusted for testing and maintenance. [N.J.A.C. 7:27-22.16(o)]</li> </ol>	<p>None.</p>



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U8 Process Water Heater

Operating Scenario: OS1 Burning Natural Gas fuel - E8-PT13

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] and [N.J.A.C. 7:27- 3.2(c)]	None.	None.	None.
2	Natural Gas Usage <= 9.447 MMft <sup>3</sup> /yr based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	NOx (Total) <= 0.16 lb/hr. Maximum hourly emission rate based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Maximum emission rate of VOC, CO, SO <sub>2</sub> , TSP, PM <sub>10</sub> from operating permit application are below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U8 Process Water Heater

Operating Scenario: OS2 Burning #2 fuel oil - E8-PT13 (emergency use only per MACT Subpart JJJJJJ)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-3.2(a)] and [N.J.A.C. 7:27- 3.2(c)]	Monitored by visual determination each month during operation, based on an instantaneous determination. For compliance with the opacity standard, the permittee shall conduct visual opacity inspections during daylight hours. Visual inspections shall consist of a visual survey to identify if the stack has visible emissions, exclusive of visible condensed water vapor, to be greater than prescribed standard. If visible emissions are observed, the permittee shall do the following: (1) Verify that the equipment and/or control device causing/controlling the emission is operating according to manufacturer's specifications and the operating permit compliance plan. If the equipment or control device is not operating properly, the permittee shall take corrective action immediately to eliminate the excess emissions. The permittee must report any permit violations to NJDEP pursuant to N.J.A.C. 7:27-22.19. (2) If the corrective action taken in step (1) does not correct the opacity problem within 24 hours, the applicant shall perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Such test shall be conducted each day until corrective action is taken to successfully correct the opacity problem. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter each month during operation (in a permanently bound logbook or other electronic data management system) and retain the following records: (1) Date and time of inspection; (2) Emission point number; (3) Operational status of the equipment; (4) Observed results and conclusions; (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and (8) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]	None.
2	Sulfur Content in Fuel <= 500 ppmw (0.05% by weight). Effective July 1, 2014 through June 30, 2016. [N.J.A.C. 7:27-9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.



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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). Effective July 1, 2016. [N.J.A.C. 7:27- 9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
4	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(b)]	None.	None.	None.
5	NOx (Total) <= 0.24 lb/hr. Maximum hourly emission rate based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	CO <= 0.06 lb/hr. Maximum hourly emission rate based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
7	SO2 <= 0.0852 lb/hr. Maximum hourly emission rate from BOP140001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Maximum emission rate of VOC, TSP, PM10 from operating permit application are below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Hours of Operation <= 48 hours while firing fuel oil or other liquid fuel. Periodic testing on liquid fuel shall not exceed a combined total of 48 hours during any calendar year to qualify as a gas-fired boiler as defined in MACT Subpart JJJJJ, 40 CFR 63.11237. [N.J.A.C. 7:27-22.16(a)]	Other: Monitor boiler hours of operation firing fuel oil for periodic testing.[N.J.A.C. 7:27-22.16(o)].	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Record the number of hours the fuel is combusted for periodic testing and the calendar year total. Maintain on-site records that are easily accessible for Department inspection. [N.J.A.C. 7:27-22.16(o)]	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Emission Unit:** U9 6,000 Gallon Soap Solution Tank containing ethanol

**Operating Scenario:** OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Tank contents limited to mixture of ethanol and ammonium alcohol ether sulfate or similar foaming agent mixture. The vapor pressure of the mixture shall be $\leq 5.87$ KPa at 20 degrees Celsius. [N.J.A.C. 7:27-22.16(e)]	Other: For each delivery, monitor by reviewing delivery records such as MSDS, invoice, and/or bill of lading that show content, vapor pressure and quantity of the delivery.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain delivery records per delivery. The records shall indicate content of delivery, quantity delivered, date of delivery with sum-to-date.[N.J.A.C. 7:27-22.16(o)].	None.
2	VOC (Total) $\leq 0.16$ tons/yr based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Total Material Transferred $\leq 17,000$ gal/yr. Maximum annual throughput based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	Other: For each delivery, monitor by reviewing delivery records such as invoice, and/or bill of lading that show content and quantity of the delivery.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain delivery records per delivery. The records shall indicate content of delivery, quantity delivered, date of delivery with sum-to-date.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Emission Unit:** U10 Board End Saw - used for cutting gypsum board to ordered size

**Operating Scenario:** OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.62 lb/hr based on 0.02 grains per scf. [N.J.A.C. 7:27-6.2(a)]	None.	None.	None.
2	Opacity <= 20 % , exclusive of visible condensed water vapor, for a period of not longer than three (3) minutes in any consecutive 30-minute period including periods of startup and shutdown. [N.J.A.C. 7:27-6.2(d)] and. [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.
3	Maximum emission rate of TSP from preconstruction permit is below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Raw material limited to finished gypsum wallboard products based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	Other: Monitored by reviewing production records.[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by production records once per calendar day during operation. [N.J.A.C. 7:27-22.16(o)]	None.
5	Total Material Transferred <= 600 lb/hr. Maximum throughput rate based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
6	Total Material Transferred <= 2,400 tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(e)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
7	Pressure Drop Across the Baghouse >= 1 and Pressure Drop Across the Baghouse <= 8 inches w.c.. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop Across the Baghouse: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily in a logbook or other electronic data management system. [N.J.A.C. 7:27-22.16(o)]	None.

U10 Board End Saw - used for cutting gypsum board to ordered size

OS Summary



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Emission Unit:** U11 Rotary Rock Dryer, Conveyor #8B, - Load Skirt and Conveyor #8A - Source Skirt and Discharge Screw

**Operating Scenario:** OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % , exclusive of visible condensed water vapor, for a period of not longer than three (3) minutes in any consecutive 30-minute period including periods of startup and shutdown. [N.J.A.C. 7:27-6.2(d)] and. [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.
2	No Visible Emissions: Equipment shall not be used in a manner which will cause visible emissions, exclusive of condensed water vapor based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	VOC (Total) <= 0.18 tons/yr. Maximum annual emission rate based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	NOx (Total) <= 9.32 tons/yr. Maximum annual emission rate based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	CO <= 2.39 tons/yr. Maximum annual emission rate based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	SO2 <= 3.4 tons/yr. Maximum annual emission rate from BOP140001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 21.38 tons/yr. Based on maximum hourly emission rate and maximum Total Material Transferred, 932,400 tons/yr. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
8	PM-10 (Total) <= 12.3 tons/yr. Based on maximum hourly emission rate firing natural gas and maximum Total Material Transferred, 932,400 tons/yr, from operating permit minor modification BOP070002 application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	PM-2.5 (Total) <= 12.3 tons/yr from BOP140001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	HAPs (Total) <= 0.0016 tons/yr. Maximum annual emission rate based on permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	Polycyclic organic matter <= 0.0016 tons/yr. Maximum annual emission rate based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	Maximum Gross Heat Input <= 45.5 MMBTU/hr (HHV) based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
13	Fuel limited to natural gas and #2 distillate oil based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
14	Pressure Drop Across the Baghouse >= 1 and Pressure Drop Across the Baghouse <= 8 inches w.c.. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop Across the Baghouse: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily in a logbook or other electronic data management system. [N.J.A.C. 7:27-22.16(o)]	None.
15	Raw material limited to gypsum ore based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	Other: Monitored by review of material delivery records.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain invoices or bills of lading showing contents of each delivery.[N.J.A.C. 7:27-22.16(o)].	None.
16	Total Material Transferred <= 175 tons/hr. Maximum material processing rate based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	Total Material Transferred: Monitored by material feed/flow monitoring daily. Monitor hours of operation and tons per day throughput, each day during operation. [N.J.A.C. 7:27-22.16(o)]	Total Material Transferred: Recordkeeping by manual logging of parameter or storing data in a computer data system daily. Record daily throughput (tons/day) each day during operation. [N.J.A.C. 7:27-22.16(o)]	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
17	Total Material Transferred <= 932,400 tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(e)]	Total Material Transferred: Monitored by material feed/flow monitoring daily. Monitor monthly throughput. [N.J.A.C. 7:27-22.16(o)]	Total Material Transferred: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Record monthly throughput (tons/month) and sum-to-date (tons/yr). [N.J.A.C. 7:27-22.16(o)]	None.
18	<p><b>STACK TESTING SUMMARY</b></p> <p>The permittee shall conduct a series of stack tests for PM-10 (Total) at emission point PT16, firing No. 2 Fuel Oil, while operating OS2, OS3, OS4, OS5 simultaneously, within 180 days of initial use of #2 Fuel Oil. The test results shall be submitted to BTS for approval after each test. In addition, all test results shall be submitted to the BOP with a modification application to request a PM10 lb/hr emission limit. The owner or operator shall determine the number of stack tests needed to determine a PM10 emission limit.</p> <p>Testing must be conducted at worst-case permitted operating conditions with regard to meeting the applicable emission standards, but without creating an unsafe condition. [N.J.A.C. 7:27-22.16(a)]</p>	Other: The stack test must be conducted within 180 days after initial use of #2 Fuel Oil. [N.J.A.C. 7:27-22.18] and [N.J.A.C. 7:27-22.16(o)].	Other: Recordkeeping as required under the applicable operating scenario(s). [N.J.A.C. 7:27-22.16(o)].	<p>Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Submit a stack test protocol to the Bureau of Technical Services (BTS) at Mail Code: 380-01A, PO Box 420, Trenton, NJ 08625, within 180 days of initial use of #2 Fuel Oil. The protocol and test report must be prepared and submitted on a CD using the Electronic Reporting Tool (ERT), unless another format is approved by BTS. The ERT program can be downloaded at: <a href="http://www.epa.gov/ttnchie1/ert">http://www.epa.gov/ttnchie1/ert</a>. Within 30 days of protocol approval or no less than 60 days prior to the testing deadline, whichever is later, the permittee must contact BTS at 609-530-4041 to schedule a mutually acceptable test date.</p> <p>A full stack test report must be submitted to BTS and a certified summary test report must be submitted to the Regional Enforcement Office within 45 days after performing the stack test pursuant to N.J.A.C. 7:27-22.19(d). The test results must be certified by a licensed professional engineer or certified industrial hygienist. [N.J.A.C. 7:27-22.18(e)] and. [N.J.A.C. 7:27-22.18(h)]</p>
19	PM-10 (Total): The owner or operator shall submit an Operating Permit Modification application requesting a PM10 emission limit for the Rotary Dryer firing No. 2 Fuel Oil, pursuant to N.J.A.C. 7:27-22.23 or N.J.A.C. 7:27-22.24, within 180 days after submitting stack test results in the preceding requirement. [N.J.A.C. 7:27-22.16(a)]	None.	None.	Submit documentation of compliance: As per the approved schedule. Submit a permit modification application within 180 days after submitting stack test results in the preceding requirement. [N.J.A.C. 7:27-22.16(o)]



BOP190005

**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Emission Unit:** U11 Rotary Rock Dryer, Conveyor #8B, - Load Skirt and Conveyor #8A - Source Skirt and Discharge Screw

**Operating Scenario:** OS1 Rotary dryer used to dry gypsum rock firing natural gas - E11-CD5-PT16

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 7.4 lb/hr. Maximum allowable emission rate based on 0.02 grains per scf. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
2	VOC (Total) <= 3.5 lb/hr. Maximum allowable emission rate as determined from Tables 16A and 16B, based on VOC vapor pressure and percent by volume of the VOC from each source operation. [N.J.A.C. 7:27-16.16(c)] &. [N.J.A.C. 7:27-16.16(d)]	Other: Monitored by calculations and/or analysis of the source operations for each different kind of batch or continuous process for which the source operations is used.[N.J.A.C. 7:27-22.16(o)].	Other: The owner or operator shall maintain records for each different kind of batch or continuous process for which the source operation is used. The following shall be recorded with the information determined in accordance with the Procedure for Using Table 16A: 1. The chemical name and vapor pressure of each VOC used. 2. The percent concentration by volume of VOC in the source gas 3. The volumetric gas flow rate 4. The source gas range classification 5. The maximum allowable emission rate 6. The maximum actual emission rate. 7. Maintain any calculation and test data used to determine the actual emission rate. 8. If the source operation is used for more than one process, the dates the source operation is used for each process. or Conduct an analysis of the source operation, which demonstrates that, under operating conditions that maximize the VOC emissions after any control, the VOC emission rate of the source operation is in compliance with this section; and maintain process records sufficient to demonstrate whether the VOC emission rate of the source operation from actual operations does not exceed the VOC emission rate under operating conditions. The records shall be maintained for a period of no less than five years and make those records available upon request of the Department or EPA. [N.J.A.C. 7:27-16.16(g)] and.[N.J.A.C. 7:27-16.22(a)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	Natural Gas Usage $\leq 133.2 \text{ MMft}^3$ for any 12 consecutive months based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	Natural Gas Usage: Monitored by fuel flow/firing rate instrument continuously. [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation in a log book or in readily accessible computer memories. Cubic feet for any 12 consecutive months is computed by adding the fuel consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
4	VOC (Total) $\leq 0.07 \text{ lb/hr}$ . Maximum hourly emission rates based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	NOx (Total) $\leq 3.5 \text{ lb/hr}$ . Maximum hourly emission rate based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	CO $\leq 0.88 \text{ lb/hr}$ . Maximum hourly emission rate based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
7	TSP $\leq 7.4 \text{ lb/hr}$ . Maximum hourly emission rate based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-10 (Total) $\leq 4.6 \text{ lb/hr}$ includes U11 OS3, U11 OS4, U11 OS5 based on stack test results from operating permit minor modification BOP070002 application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	PM-2.5 (Total) $\leq 4.6 \text{ lb/hr}$ includes U11 OS3, U11 OS4, U11 OS5 from BOP140001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.



BOP190005

**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Emission Unit:** U11 Rotary Rock Dryer, Conveyor #8B, - Load Skirt and Conveyor #8A - Source Skirt and Discharge Screw

**Operating Scenario:** OS2 Rotary dryer used to dry gypsum rock firing No. 2 fuel oil - E11-CD5-PT16

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 7.4 lb/hr. Maximum allowable emission rate based on 0.02 grains per scf. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	Sulfur Content in Fuel <= 500 ppmw (0.05% by weight). Effective July 1, 2014 through June 30, 2016. [N.J.A.C. 7:27- 9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
3	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). Effective July 1, 2016. [N.J.A.C. 7:27- 9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
4	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27- 9.2(b)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	VOC (Total) $\leq$ 3.5 lb/hr. Maximum allowable emission rate as determined from Tables 16A and 16B, based on VOC vapor pressure and percent by volume of the VOC from each source operation. [N.J.A.C. 7:27-16.16(c)] & [N.J.A.C. 7:27-16.16(d)]	Other: Monitored by calculations and/or analysis of the source operations for each different kind of batch or continuous process for which the source operations is used.[N.J.A.C. 7:27-22.16(o)].	Other: The owner or operator shall maintain records for each different kind of batch or continuous process for which the source operation is used. The following shall be recorded with the information determined in accordance with the Procedure for Using Table 16A: 1. The chemical name and vapor pressure of each VOC used. 2. The percent concentration by volume of VOC in the source gas 3. The volumetric gas flow rate 4. The source gas range classification 5. The maximum allowable emission rate 6. The maximum actual emission rate. 7. Maintain any calculation and test data used to determine the actual emission rate. 8. If the source operation is used for more than one process, the dates the source operation is used for each process. or Conduct an analysis of the source operation, which demonstrates that, under operating conditions that maximize the VOC emissions after any control, the VOC emission rate of the source operation is in compliance with this section; and maintain process records sufficient to demonstrate whether the VOC emission rate of the source operation from actual operations does not exceed the VOC emission rate under operating conditions. The records shall be maintained for a period of no less than five years and make those records available upon request of the Department or EPA. [N.J.A.C. 7:27-16.16(g)] and.[N.J.A.C. 7:27-16.22(a)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	Fuel Oil Usage <= 956,900 gallons for any 12 consecutive months. Maximum annual fuel oil usage based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	Fuel Oil Usage: Monitored by fuel flow/firing rate instrument continuously. [N.J.A.C. 7:27-22.16(o)]	Fuel Oil Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation in a log book or in readily accessible computer memories. Gallons for any 12 consecutive months is computed by adding the fuel consumed in a given month to that consumed in the preceding 11 months. [N.J.A.C. 7:27-22.16(o)]	None.
7	VOC (Total) <= 0.036 lb/hr. Maximum hourly emission rate based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
8	NOx (Total) <= 3.6 lb/hr. Maximum hourly emission rate based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
9	CO <= 0.9 lb/hr. Maximum hourly emission rate based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
10	SO2 <= 2.31 lb/hr. Maximum hourly emission rate from BOP140001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	TSP <= 7.4 lb/hr. Maximum hourly emission rate based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
12	PM-10 (Total): Hourly emission rate to be established from stack test(s) results. Stack test to be performed after initial use of #2 Fuel Oil and must be conducted within 180 days of the approval of the stack test protocol (See stack test requirements in U11 OS Summary). [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by stack emission testing at the approved frequency, based on any 60 minute period. See stack test requirements in U11 OS Summary. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by stack test results at the approved frequency. See stack test requirements in U11 OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack test requirements in U11 OS Summary. [N.J.A.C. 7:27-22.16(o)]
13	HAPs (Total) <= 0.0016 lb/hr. Maximum hourly emission rate based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
14	Polycyclic organic matter <= 0.0016 lb/hr. Maximum hourly emission rate based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.



BOP190005

**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Emission Unit:** U11 Rotary Rock Dryer, Conveyor #8B, - Load Skirt and Conveyor #8A - Source Skirt and Discharge Screw

**Operating Scenario:** OS3 Belt conveyor #8B - Load Skirt - E12-CD5-PT16

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr. Maximum allowable emission rate based on 0.02 grains per scf. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	TSP <= 0.2 lb/hr. Maximum emission rate based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	PM-10 (Total) <= 0.2 lb/hr. Maximum hourly emission rate based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by stack emission testing once initially, based on each of three Department validated stack test runs. See stack test requirements in U11 OS Summary, firing No. 2 Fuel Oil. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by stack test results once initially. See stack test requirements in U11 OS Summary, firing No. 2 Fuel Oil. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack test requirements in U11 OS Summary, firing No. 2 Fuel Oil. [N.J.A.C. 7:27-22.16(o)]
4	PM-2.5 (Total) <= 0.2 lb/hr. Maximum emission rate from BOP140001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Emission Unit:** U11 Rotary Rock Dryer, Conveyor #8B, - Load Skirt and Conveyor #8A - Source Skirt and Discharge Screw

**Operating Scenario:** OS4 Belt conveyor #8A - Discharge Chute - E13-CD5-PT16

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr. Maximum allowable emission rate based on 0.02 grains per scf. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	TSP <= 0.2 lb/hr. Maximum emission rate based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	PM-10 (Total) <= 0.2 lb/hr. Maximum hourly emission rate based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by stack emission testing once initially, based on each of three Department validated stack test runs. See stack test requirements in U11 OS Summary, firing No. 2 Fuel Oil. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by stack test results once initially. See stack test requirements in U11 OS Summary, firing No. 2 Fuel Oil. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack test requirements in U11 OS Summary, firing No. 2 Fuel Oil. [N.J.A.C. 7:27-22.16(o)]
4	PM-2.5 (Total) <= 0.2 lb/hr. Maximum emission rate from BOP140001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Emission Unit:** U11 Rotary Rock Dryer, Conveyor #8B, - Load Skirt and Conveyor #8A - Source Skirt and Discharge Screw

**Operating Scenario:** OS5 Belt conveyor #8A - Load skirt - E65-CD5-PT16

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr. Maximum allowable emission rate based on 0.02 grains per scf. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	TSP <= 0.2 lb/hr. Maximum emission rate based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	PM-10 (Total) <= 0.2 lb/hr. Maximum hourly emission rate based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by stack emission testing once initially, based on each of three Department validated stack test runs. See stack test requirements in U11 OS Summary, firing No. 2 Fuel Oil. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by stack test results once initially. See stack test requirements in U11 OS Summary, firing No. 2 Fuel Oil. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See stack test requirements in U11 OS Summary, firing No. 2 Fuel Oil. [N.J.A.C. 7:27-22.16(o)]
4	PM-2.5 (Total) <= 0.2 lb/hr. Maximum emission rate from BOP140001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.



BOP190005

**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Emission Unit:** U14 LP Reserve Bin and Landplaster Bulk Loading

**Subject Item:** CD6 LP Bin #4 Dust Collector (LP Reserve Bin)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Pressure Drop Across the Baghouse $\geq$ 1 and Pressure Drop Across the Baghouse $\leq$ 8 inches w.c.. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop Across the Baghouse: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily in a logbook or other electronic data management system. [N.J.A.C. 7:27-22.16(o)]	None.
2	The owner or operator shall inspect and maintain the baghouse on a schedule necessary to achieve the required particulate control efficiency as specified by the manufacturer. [N.J.A.C. 7:27-22.16(a)]	Monitored by visual determination at the manufacturer's specified frequency. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Record each inspection and maintenance event in a logbook or readily accessible computer memory. [N.J.A.C. 7:27-22.16(e)]	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U14 LP Reserve Bin and Landplaster Bulk Loading

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	<p><b>STACK TESTING SUMMARY</b></p> <p>The permittee shall conduct a stack test using a protocol approved by the Department to demonstrate compliance with emission limits for TSP, PM10 and PM2.5 as specified in the compliance plan for OS1. Testing must be conducted at worst-case permitted operating conditions with regard to meeting the applicable emission standards, but without creating an unsafe condition.</p> <p>[N.J.A.C. 7:27-22.16(a)]</p>	<p>Other: The stack test must be conducted either within 60 days of the protocol approval or within 180 days after initial startup of the modified source, whichever comes later. [N.J.A.C. 7:27-22.18] and [N.J.A.C. 7:27-22.16(o)].</p>	<p>Other: Recordkeeping as required under the applicable operating scenario(s). [N.J.A.C. 7:27-22.16(o)].</p>	<p>Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Submit a stack test protocol to the Emission Measurement Section (EMS) at Mail Code: 09-01, PO Box 420, Trenton, NJ 08625 within 60 days from the date of the approved operating permit BOP190005. The protocol and test report must be prepared and submitted on a CD using the Electronic Reporting Tool (ERT), unless another format is approved by EMS. The ERT program can be downloaded at: <a href="http://www.epa.gov/ttnchie1/ert">http://www.epa.gov/ttnchie1/ert</a>. Within 30 days of protocol approval or no less than 60 days prior to the testing deadline, whichever is later, the permittee must contact EMS at 609-984-3443 to schedule a mutually acceptable test date.</p> <p>A full stack test report must be submitted to EMS and a certified summary test report must be submitted to the Regional Enforcement Office within 45 days after performing the stack test pursuant to N.J.A.C. 7:27-22.19(d). The test results must be certified by a licensed professional engineer or certified industrial hygienist. [N.J.A.C. 7:27-22.18(e)] and. [N.J.A.C. 7:27-22.18(h)]</p>
2	<p>Particulate Emissions &lt;= 0.5 lb/hr based on 0.02 grains per SCF at 2400 acfm and 190 deg. F. [N.J.A.C. 7:27- 6.2(a)]</p>	None.	None.	None.
3	<p>Opacity &lt;= 20 % , exclusive of visible condensed water vapor, for a period of not longer than three (3) minutes in any consecutive 30-minute period including periods of startup and shutdown. [N.J.A.C. 7:27-6.2(d)] and. [N.J.A.C. 7:27- 6.2(e)]</p>	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	TSP <= 1.65 tons/yr based on the hourly emission rates of E14 and E38, includes source fugitive emissions, and annual operating hours (8760 hr/yr). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	PM-10 (Total) <= 1.56 tons/yr based on the hourly emission rates of E14 and E38, includes source fugitive emissions, and annual operating hours (8760 hr/yr). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	PM-2.5 (Total) <= 1.48 tons/yr based on the hourly emission rates of E14 and E38, includes source fugitive emissions, and annual operating hours (8760 hr/yr). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Raw material limited to gypsum rock, impurities, recycled gypsum products, and other ingredients necessary for the production of gypsum products. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by reviewing raw material delivery records per delivery.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain invoices, bills of lading and/or MSDS sheets for raw materials received.[N.J.A.C. 7:27-22.16(o)].	None.
8	Total Material Transferred <= 657,000 tons/yr based on maximum hourly throughput and 8760 hr/year. [N.J.A.C. 7:27-22.16(a)]	Total Material Transferred: Monitored by material balance each month during operation. [N.J.A.C. 7:27-22.16(o)]	Total Material Transferred: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Record monthly throughput and sum-to-date (tons/yr). [N.J.A.C. 7:27-22.16(o)]	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Emission Unit:** U14 LP Reserve Bin and Landplaster Bulk Loading

**Operating Scenario:** OS1 Landplaster storage bin - E14-CD6-PT17

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Total Material Transferred <= 150,000 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Total Material Transferred: Monitored by material balance each month during operation. [N.J.A.C. 7:27-22.16(o)]	Total Material Transferred: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Recordkeeping by accounting mass balance on a monthly basis. Record throughput and hours of operation each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
2	TSP <= 0.335 lb/hr venting through CD6 baghouse from the combined emission rates for E14 and E38 based on 0.02 gr/dscf at 2400 acfm. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by stack emission testing once initially, based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by stack test results upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary for details. [N.J.A.C. 7:27-22.16(o)]
3	PM-10 (Total) <= 0.335 lb/hr venting through CD6 baghouse from the combined emission rates for E14 and E38 based on 0.02 gr/dscf at 2400 acfm. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by stack emission testing once initially, based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by stack test results upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary for details. [N.J.A.C. 7:27-22.16(o)]
4	PM-2.5 (Total) <= 0.335 lb/hr venting through CD6 baghouse from the combined emission rates for E14 and E38 based on 0.02 gr/dscf at 2400 acfm. [N.J.A.C. 7:27-22.16(a)]	PM-2.5 (Total): Monitored by stack emission testing once initially, based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	PM-2.5 (Total): Recordkeeping by stack test results upon occurrence of event. See stack test requirement in U14 OS Summary. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary for details. [N.J.A.C. 7:27-22.16(o)]



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**New Jersey Department of Environmental Protection**  
**Facility Specific Requirements**

**Emission Unit:** U14 LP Reserve Bin and Landplaster Bulk Loading

**Operating Scenario:** OS2 Bulk loading of landplaster - E38-CD6-PT17

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Total Material Transferred <= 150,000 lb/hr. [N.J.A.C. 7:27-22.16(a)]	Total Material Transferred: Monitored by material balance each month during operation. The owner or operator shall monitor the scaled weight of trucks loaded and hours of operation of the bulk loading system. [N.J.A.C. 7:27-22.16(o)]	Total Material Transferred: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Record scale weight of trucks and hours of operation monthly. [N.J.A.C. 7:27-22.16(o)]	None.
2	No visible emissions except for a period of not longer than three minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(a)]	Monitored by visual determination each month during operation. Conduct visual opacity inspections during daylight hours to identify if during truck loading operation visible emissions are observed, other than condensed water vapor. Select an observation position enabling clear view of emission point(s), minimum 15 feet away without sunlight shining directly into the eyes. Observe for a minimum duration of 30 minutes. Clock observation with two stopwatches starting the 1st watch at the commencement of the 30-minute observation period and starting and stopping the 2nd watch every time visible emissions are first seen and when they cease, and record the observation. If visible emissions are observed for more than 3 minutes in the 30-consecutive minutes: (1) Verify the equipment and/or control device causing visible emissions is operating according to manufacturer's specifications. If it is not operating properly, take corrective action immediately to eliminate the excess emissions. (2) If the opacity problem is not corrected within 24 hours, perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Conduct such test each day until the opacity problem is successfully corrected. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Record and retain the following records: (1) Date and time of inspection; (2) Emission point number; (3) Operational status of the equipment; (4) Observed results and conclusions; (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and (8) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	TSP <= 0.375 lb/hr (0.335 lb/hr stack emission and 0.04 lb/hr fugitive emission). Stack emission from the combined emission rates for E14 and E38 based on 0.02 grains/dscf and maximum air flow rate. Fugitive emission is based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	PM-10 (Total) <= 0.355 lb/hr (0.335 lb/hr stack emission and 0.02 lb/hr fugitive emission). Stack emission from the combined emission rates for E14 and E38 based on 0.02 grains/dscf and maximum air flow rate. Fugitive emission is based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	PM-2.5 (Total) <= 0.339 lb/hr (0.335 lb/hr stack emission and 0.004 lb/hr fugitive emission). Stack emission from the combined emission rates for E14 and E38 based on 0.02 grains/dscf and maximum air flow rate. Fugitive emission is based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Emission Unit:** U15 Stucco Supply Elevator, Stucco Recirc. Elevator, Dry Additive Elevator, Scalping Screw, Weigh Belt Feeder

**Operating Scenario:** OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No Visible Emissions: There shall be no visible emissions, exclusive of visible water vapor, except for three minutes in any consecutive thirty minute period. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	TSP <= 4.38 tons/yr based on hourly emissions from OS1 and OS2 at 8760 hours/year. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	PM-10 (Total) <= 4.38 tons/yr based on hourly emissions from OS1 and OS2 at 8760 hours/year. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	PM-2.5 (Total) <= 4.38 tons/yr based on hourly emissions from OS1 and OS2 at 8760 hours/year, from BOP140001. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	All particulate emissions from this emission unit, which comprised of E15, E16, E59, E66, and E67 shall be exhausted through its respective baghouse, which in turn vents indoors. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	The owner or operator shall inspect and maintain all baghouses on a schedule necessary to achieve the required particulate control efficiency as specified by the manufacturer. [N.J.A.C. 7:27-22.16(e)]	Monitored by visual determination at the manufacturer's specified frequency. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Record each inspection and maintenance event in a logbook or readily accessible computer memory. [N.J.A.C. 7:27-22.16(o)]	None.
7	Raw material limited to gypsum rock, impurities, recycled gypsum products, and other ingredients necessary for the production of gypsum products. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by reviewing raw material delivery records per delivery.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain invoices, bills of lading, and/or MSDS sheets for raw materials received.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Emission Unit:** U15 Stucco Supply Elevator, Stucco Recirc. Elevator, Dry Additive Elevator, Scalping Screw, Weigh Belt Feeder

**Operating Scenario:** OS1 Stucco supply elevator - E15-CD7-VENT INDOOR

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	TSP <= 0.5 lb/hr based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	PM-10 (Total) <= 0.5 lb/hr based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	PM-2.5 (Total) <= 0.5 lb/hr from BOP140001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Pressure Drop Across the Baghouse >= 1 and Pressure Drop Across the Baghouse <= 10 inches w.c.. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop Across the Baghouse: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily in a logbook or other electronic data management system. [N.J.A.C. 7:27-22.16(o)]	None.
5	Total Material Transferred <= 100,000 lb/hr based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
6	Total Material Transferred <= 438,000 tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Emission Unit:** U15 Stucco Supply Elevator, Stucco Recirc. Elevator, Dry Additive Elevator, Scalping Screw, Weigh Belt Feeder

**Operating Scenario:** OS2 Stucco recirculating elevator - E16-CD33-VENT INDOOR

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	TSP <= 0.5 lb/hr based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	PM-10 (Total) <= 0.5 lb/hr based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	PM-2.5 (Total) <= 0.5 lb/hr from BOP140001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Pressure Drop Across the Baghouse >= 1 and Pressure Drop Across the Baghouse <= 10 inches w.c.. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop Across the Baghouse: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily in a logbook or other electronic data management system. [N.J.A.C. 7:27-22.16(o)]	None.
5	Total Material Transferred <= 100,000 lb/hr. Maximum throughput rate based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
6	Total Material Transferred <= 438,000 tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Emission Unit:** U15 Stucco Supply Elevator, Stucco Recirc. Elevator, Dry Additive Elevator, Scalping Screw, Weigh Belt Feeder

**Operating Scenario:** OS3 Stucco Scalping Screw - E66-CD32-VENT INDOOR

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Maximum emission rate of TSP is below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	Pressure Drop Across the Baghouse $\geq 1$ and Pressure Drop Across the Baghouse $\leq 10$ inches w.c.. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop Across the Baghouse: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily in a logbook or other electronic data management system. [N.J.A.C. 7:27-22.16(o)]	None.
3	Total Material Transferred $\leq 100,000$ lb/hr. Maximum throughput rate based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
4	Total Material Transferred $\leq 438,000$ tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Emission Unit:** U15 Stucco Supply Elevator, Stucco Recirc. Elevator, Dry Additive Elevator, Scalping Screw, Weigh Belt Feeder

**Operating Scenario:** OS4 Dry Additives Elevator - E59-CD34-VENT INDOOR

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Maximum emission rate of TSP is below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	Pressure Drop Across the Baghouse $\geq$ 1 and Pressure Drop Across the Baghouse $\leq$ 14 inches w.c.. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop Across the Baghouse: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily in a logbook or other electronic data management system. [N.J.A.C. 7:27-22.16(o)]	None.
3	Total Material Transferred $\leq$ 10,000 lb/hr. Maximum throughput rate based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
4	Total Material Transferred $\leq$ 43,800 tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Emission Unit:** U15 Stucco Supply Elevator, Stucco Recirc. Elevator, Dry Additive Elevator, Scalping Screw, Weigh Belt Feeder

**Operating Scenario:** OS5 Stucco Weigh Belt Feeder - E67-CD32-VENT INDOOR

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Maximum emission rate of TSP is below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	Pressure Drop Across the Baghouse $\geq 1$ and Pressure Drop Across the Baghouse $\leq 10$ inches w.c.. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop Across the Baghouse: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily in a logbook or other electronic data management system. [N.J.A.C. 7:27-22.16(o)]	None.
3	Total Material Transferred $\leq 100,000$ lb/hr. Maximum throughput rate based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
4	Total Material Transferred $\leq 438,000$ tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Emission Unit:** U17 Landplaster Pneumatic Conveying Process

**Operating Scenario:** OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No Visible Emissions: Equipment shall not be used in a manner which will cause visible emissions, exclusive of condensed water vapor based on general permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	Maximum emission rate of TSP is below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	All particulate emissions from this emission unit shall be exhausted through a baghouse (CD8), which vents indoors. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Pressure Drop Across the Baghouse $\geq$ 1 and Pressure Drop Across the Baghouse $\leq$ 8 inches w.c.. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop Across the Baghouse: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily in a logbook or other electronic data management system. [N.J.A.C. 7:27-22.16(o)]	None.
5	The owner or operator shall inspect and maintain the baghouse on a schedule necessary to achieve the required particulate control efficiency as specified by the manufacturer. [N.J.A.C. 7:27-22.16(e)]	Monitored by visual determination at the manufacturer's specified frequency. [N.J.A.C. 7:27-22.16(e)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Record each inspection and maintenance event in a logbook or readily accessible computer memory. [N.J.A.C. 7:27-22.16(o)]	None.
6	Raw material limited to gypsum rock, impurities, recycled gypsum products, and other ingredients necessary for the production of gypsum products. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by reviewing raw material delivery records per delivery.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain invoices, bills of lading, and/or MSDS sheets for raw materials received.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	Total Material Transferred <= 10,000 lb/hr. Maximum throughput rate based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
8	Total Material Transferred <= 4,380 tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(e)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U18 Stucco Mixing Screw Conveyor

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No Visible Emissions: Equipment shall not be used in a manner which will cause visible emissions, exclusive of condensed water vapor based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	Maximum emission rate of TSP is below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	All particulate emissions from this emission unit shall be exhausted through a baghouse (CD9), which vents indoors. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Pressure Drop Across the Baghouse $\geq$ 1 and Pressure Drop Across the Baghouse $\leq$ 8 inches w.c.. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop Across the Baghouse: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily in a logbook or other electronic data management system. [N.J.A.C. 7:27-22.16(o)]	None.
5	The owner or operator shall inspect and maintain the baghouse on a schedule necessary to achieve the required particulate control efficiency as specified by the manufacturer. [N.J.A.C. 7:27-22.16(e)]	Monitored by visual determination at the manufacturer's specified frequency. [N.J.A.C. 7:27-22.16(e)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Record each inspection and maintenance event in a logbook or readily accessible computer memory. [N.J.A.C. 7:27-22.16(o)]	None.
6	Raw material limited to gypsum rock, impurities, recycled gypsum products, and other ingredients necessary for the production of gypsum products. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by reviewing raw material delivery records per delivery.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain invoices, bills of lading, and/or MSDS sheets for raw materials received.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	Total Material Transferred <= 100,000 lb/hr. Maximum throughput rate based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
8	Total Material Transferred <= 438,000 tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U19 Board Stucco Silo #1

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Maximum emission rate of TSP is below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	All particulate emissions from this emission unit shall be exhausted through a baghouse (CD10), which vents indoors. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	Pressure Drop Across the Baghouse $\geq$ 1 and Pressure Drop Across the Baghouse $\leq$ 8 inches w.c.. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop Across the Baghouse: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily in a logbook or other electronic data management system. [N.J.A.C. 7:27-22.16(o)]	None.
4	The owner or operator shall inspect and maintain the baghouse on a schedule necessary to achieve the required particulate control efficiency as specified by the manufacturer. [N.J.A.C. 7:27-22.16(e)]	Monitored by visual determination at the manufacturer's specified frequency. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Record each inspection and maintenance event in a logbook or readily accessible computer memory. [N.J.A.C. 7:27-22.16(o)]	None.
5	Raw material limited to gypsum rock, impurities, recycled gypsum products, and other ingredients necessary for the production of gypsum products. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by reviewing raw material delivery records per delivery. [N.J.A.C. 7:27-22.16(o)].	Other: Maintain invoices, bills of lading, and/or MSDS sheets for raw materials received. [N.J.A.C. 7:27-22.16(o)].	None.
6	Total Material Transferred $\leq$ 120,000 lb/hr. Maximum throughput rate based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity. [N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity. [N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	Total Material Transferred <= 525,600 tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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### New Jersey Department of Environmental Protection Facility Specific Requirements

Emission Unit: U20 Board Stucco Silo #2

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Maximum emission rate of TSP is below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	All particulate emissions from this emission unit shall be exhausted through a baghouse (CD11), which vents indoors. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	Pressure Drop Across the Baghouse $\geq$ 1 and Pressure Drop Across the Baghouse $\leq$ 8 inches w.c.. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop Across the Baghouse: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily in a logbook or other electronic data management system. [N.J.A.C. 7:27-22.16(o)]	None.
4	The owner or operator shall inspect and maintain the baghouse on a schedule necessary to achieve the required particulate control efficiency as specified by the manufacturer. [N.J.A.C. 7:27-22.16(e)]	Monitored by visual determination at the manufacturer's specified frequency. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Record each inspection and maintenance event in a logbook or readily accessible computer memory. [N.J.A.C. 7:27-22.16(o)]	None.
5	Raw material limited to gypsum rock, impurities, recycled gypsum products, and other ingredients necessary for the production of gypsum products. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by reviewing raw material delivery records per delivery. [N.J.A.C. 7:27-22.16(o)].	Other: Maintain invoices, bills of lading, and/or MSDS sheets for raw materials received. [N.J.A.C. 7:27-22.16(o)].	None.
6	Total Material Transferred $\leq$ 120,000 lb/hr. Maximum throughput rate based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity. [N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity. [N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	Total Material Transferred <= 525,600 tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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### New Jersey Department of Environmental Protection Facility Specific Requirements

Emission Unit: U21 441 Screw Conveyor

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Maximum emission rate of TSP is below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	All particulate emissions from this emission unit shall be exhausted through a baghouse (CD12), which vents indoors. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	Pressure Drop Across the Baghouse $\geq 1$ and Pressure Drop Across the Baghouse $\leq 8$ inches w.c.. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop Across the Baghouse: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily in a logbook or other electronic data management system. [N.J.A.C. 7:27-22.16(o)]	None.
4	The owner or operator shall inspect and maintain the baghouse on a schedule necessary to achieve the required particulate control efficiency as specified by the manufacturer. [N.J.A.C. 7:27-22.16(e)]	Monitored by visual determination at the manufacturer's specified frequency. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Record each inspection and maintenance event in a logbook or readily accessible computer memory. [N.J.A.C. 7:27-22.16(o)]	None.
5	Raw material limited to gypsum rock, impurities, recycled gypsum products, and other ingredients necessary for the production of gypsum products. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by reviewing raw material delivery records per delivery. [N.J.A.C. 7:27-22.16(o)].	Other: Maintain invoices, bills of lading, and/or MSDS sheets for raw materials received. [N.J.A.C. 7:27-22.16(o)].	None.
6	Total Material Transferred $\leq 120,000$ lb/hr. Maximum throughput rate based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	Other: Based on equipment capacity. [N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity. [N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	Total Material Transferred <= 525,600 tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U22 Stucco Reserve Bin #1

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Maximum emission rate of TSP is below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	All particulate emissions from this emission unit shall be exhausted through a baghouse (CD13), which vents indoors. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	Pressure Drop Across the Baghouse $\geq$ 1 and Pressure Drop Across the Baghouse $\leq$ 8 inches w.c.. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop Across the Baghouse: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily in a logbook or other electronic data management system. [N.J.A.C. 7:27-22.16(o)]	None.
4	The owner or operator shall inspect and maintain the baghouse on a schedule necessary to achieve the required particulate control efficiency as specified by the manufacturer. [N.J.A.C. 7:27-22.16(e)]	Monitored by visual determination at the manufacturer's specified frequency. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Record each inspection and maintenance event in a logbook or readily accessible computer memory. [N.J.A.C. 7:27-22.16(o)]	None.
5	Raw material limited to gypsum rock, impurities, recycled gypsum products, and other ingredients necessary for the production of gypsum products. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by reviewing raw material delivery records per delivery.[N.J.A.C. 7:27-22.16(e)].	Other: Maintain invoices, bills of lading, and/or MSDS sheets for raw materials received.[N.J.A.C. 7:27-22.16(o)].	None.
6	Total Material Transferred $\leq$ 120,000 lb/hr. Maximum throughput rate based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	Total Material Transferred <= 525,600 tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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### New Jersey Department of Environmental Protection Facility Specific Requirements

Emission Unit: U23 Pin Mixer

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	TSP <= 0.82 tons/yr based on preconstruction permit limit of 0.2 lb/hr and 8160 hours/year of operation. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	PM-10 (Total) <= 0.82 tons/yr based on lb/hr and operating hour limits. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	PM-2.5 (Total) <= 0.82 tons/yr based on lb/hr and operating hour limits, from BOP140001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.2 lb/hr based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	PM-10 (Total) <= 0.2 lb/hr based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	PM-2.5 (Total) <= 0.2 lb/hr from BOP140001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	All particulate emissions from this emission unit shall be exhausted through a baghouse (CD14), which vents indoors. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
8	Pressure Drop Across the Baghouse >= 1 and Pressure Drop Across the Baghouse <= 8 inches w.c.. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop Across the Baghouse: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily in a logbook or other electronic data management system. [N.J.A.C. 7:27-22.16(o)]	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	The owner or operator shall inspect and maintain the baghouse on a schedule necessary to achieve the required particulate control efficiency as specified by the manufacturer. [N.J.A.C. 7:27-22.16(e)]	Monitored by visual determination at the manufacturer's specified frequency, based on no averaging period. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Record each inspection and maintenance event in a logbook or readily accessible computer memory. [N.J.A.C. 7:27-22.16(o)]	None.
10	Raw material limited to gypsum rock, impurities, recycled gypsum products, and other ingredients necessary for the production of gypsum products. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by reviewing raw material delivery records per delivery.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain invoices, bills of lading, and/or MSDS sheets for raw materials received.[N.J.A.C. 7:27-22.16(o)].	None.
11	Total Material Transferred <= 100,000 lb/hr. Maximum throughput rate based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
12	Total Material Transferred <= 438,000 tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(e)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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Facility Specific Requirements**

**Emission Unit:** U24 Raymond Mill #1 and Raymond Mill #2**Operating Scenario:** OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.35 lb/hr for PT26 and 1.35 lb/hr for PT27. Maximum allowable emission rate based on 0.02 grains per scf for each stack (PT). [N.J.A.C. 7:27-6.2(a)]	None.	None.	None.
2	Opacity <= 20 % for PT26 and for PT27, exclusive of visible condensed water vapor, for a period of not longer than three (3) minutes in any consecutive 30-minute period including periods of startup and shutdown. [N.J.A.C. 7:27-6.2(d)] and. [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
3	VOC (Total) <= 3.5 lb/hr. Maximum allowable emission rate as determined from Tables 16A and 16B, based on VOC vapor pressure and percent by volume of the VOC from each source operation. This applies to each operating scenario, U24 OS1, U24 OS2, U24 OS3 and U24 OS4 [N.J.A.C. 7:27-16.16(c)] &. [N.J.A.C. 7:27-16.16(d)]	Other: Monitored by calculations and/or analysis of the source operations for each different kind of batch or continuous process for which the source operations is used.[N.J.A.C. 7:27-22.16(o)].	Other: The owner or operator shall maintain records for each different kind of batch or continuous process for which the source operation is used. The following shall be recorded with the information determined in accordance with the Procedure for Using Table 16A: 1. The chemical name and vapor pressure of each VOC used. 2. The percent concentration by volume of VOC in the source gas 3. The volumetric gas flow rate 4. The source gas range classification 5. The maximum allowable emission rate 6. The maximum actual emission rate. 7. Maintain any calculation and test data used to determine the actual emission rate. 8. If the source operation is used for more than one process, the dates the source operation is used for each process. or Conduct an analysis of the source operation, which demonstrates that, under operating conditions that maximize the VOC emissions after any control, the VOC emission rate of the source operation is in compliance with this section; and maintain process records sufficient to demonstrate whether the VOC emission rate of the source operation from actual operations does not exceed the VOC emission rate under operating conditions. The records shall be maintained for a period of no less than five years and make those records available upon request of the Department or EPA. [N.J.A.C. 7:27-16.16(g)] and.[N.J.A.C. 7:27-16.22(a)].	None.



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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	No Visible Emissions: Equipment shall not be used in a manner which will cause visible emissions, exclusive of visible condensed water vapor, from preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	VOC (Total) <= 1.07 tons/yr combined for Raymond Mill #1 (E24) and Raymond Mill #2 (E25) based on maximum hourly emission rate and maximum 13,421 hr/yr operation firing No. 2 Fuel Oil, from operating permit minor modification BOP070001 application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	NOx (Total) <= 3.83 tons/yr based on maximum hourly emission rate and maximum 13,421 hr/yr operation firing No. 2 Fuel Oil, from operating permit minor modification BOP070001 application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	CO <= 7.78 tons/yr combined for Raymond Mill #1 (E24) and Raymond Mill #2 (E25) based on maximum hourly emission rate and maximum 13,421 hr/yr operation firing No. 2 Fuel Oil, from operating permit minor modification BOP070001 application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	TSP <= 2.55 tons/yr combined for Raymond Mill #1 (E24) and Raymond Mill #2 (E25), based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	TSP: Monitored by calculations each month during operation. The TSP annual emission limit shall be calculated as follows:  TSP in tpy = [(0.38 lb/hr)*(hours burning fuel oil) + (0.35 lb/hr)*(hours burning natural gas)] / (2000 lb/ton). [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation in a logbook or readily accessible computer memory, showing sum-to-date (tons/yr). [N.J.A.C. 7:27-22.16(o)]	None.
9	PM-10 (Total) <= 2.55 tons/yr combined for Raymond Mill #1 (E24) and Raymond Mill #2 (E25), based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.



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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	PM-2.5 (Total) <= 2.55 tons/yr combined for Raymond Mill #1 (E24) and Raymond Mill #2 (E25), from BOP140001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
11	Maximum Gross Heat Input <= 5 MMBTU/hr (HHV) for each Raymond Mill (E24 and E25), based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	Other: Keep records showing maximum heat input rate.[N.J.A.C. 7:27-22.16(o)].	None.
12	Fuel limited to natural gas and ultra low distillate oil, from BOP140001. [N.J.A.C. 7:27-22.16(a)]	Monitored by review of fuel delivery records per delivery or monthly invoice / billing record for natural gas. [N.J.A.C. 7:27-22.16(o)]	Other: Maintain fuel delivery records per delivery or monthly invoice / billing records of natural gas.[N.J.A.C. 7:27-22.16(o)].	None.
13	Total Hours of Operation <= 14,571 hr/yr combined for Raymond Mill #1 (E24) and Raymond Mill #2 (E25), based on firing natural gas only from operating permit BOP070001 application. [N.J.A.C. 7:27-22.16(a)]	Total Hours of Operation: Monitored by hour/time monitor once per calendar day during operation. [N.J.A.C. 7:27-22.16(o)]	Total Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system once per calendar day during operation , in a log book or readily accessible computer memory, with sum-to-date. [N.J.A.C. 7:27-22.16(o)]	None.
14	Hours of Operation <= 8,448 hr/yr for each Raymond Mill, #1 (E24) and #2 (E25) based on operating permit BOP070001 application. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor once per calendar day during operation. [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system once per calendar day during operation , in a log book or readily accessible computer memory, with sum-to-date. [N.J.A.C. 7:27-22.16(o)]	None.
15	Natural Gas Usage <= 64.3 MMft <sup>3</sup> /yr. Maximum annual natural gas consumption combined for Raymond Mill #1 (E24) and Raymond Mill #2 (E25), based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	Natural Gas Usage: Monitored by fuel flow/firing rate instrument continuously. [N.J.A.C. 7:27-22.16(o)]	Natural Gas Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system annually , in a log book or in readily accessible computer memories, showing cubic feet per year. [N.J.A.C. 7:27-22.16(o)]	None.
16	No. 2 Fuel Oil Usage <= 479,323 gal/yr. Maximum annual #2 fuel oil consumption combined for Raymond Mill #1 (E24) and Raymond Mill #2 (E25), based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	No. 2 Fuel Oil Usage: Monitored by fuel flow/firing rate instrument continuously. [N.J.A.C. 7:27-22.16(o)]	No. 2 Fuel Oil Usage: Recordkeeping by manual logging of parameter or storing data in a computer data system annually , in a log book or in readily accessible computer memories, showing gallons per year of #2 oil consumed. [N.J.A.C. 7:27-22.16(o)]	None.



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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
17	Pressure Drop Across the Baghouse $\geq 1$ and Pressure Drop Across the Baghouse $\leq 8$ inches w.c. for each Baghouse (CD16 and CD18). [N.J.A.C. 7:27-22.16(a)]	Pressure Drop Across the Baghouse: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily in a logbook or other electronic data management system. [N.J.A.C. 7:27-22.16(o)]	None.
18	Raw material limited to gypsum rock, impurities, recycled gypsum products, and other ingredients necessary for the production of gypsum products. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by review of material delivery records.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain invoices, bills of lading, and/or MSDS sheets for raw materials received.[N.J.A.C. 7:27-22.16(o)].	None.
19	Total Material Transferred $\leq 54,000$ lb/hr for each Raymond Mill (E24 and E25), based on Operating Permit Minor Modification BOP070001 application. [N.J.A.C. 7:27-22.16(a)]	Total Material Transferred: Monitored by material balance each month during operation for Raymond Mill #1 (E24) and Raymond Mill #2 (E25). [N.J.A.C. 7:27-22.16(o)]	Total Material Transferred: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Recordkeeping by accounting mass balance on a monthly basis. Record hourly throughput based on hours of operation for each Raymond Mill (E24 and E25) per day and material balance each month during operation. [N.J.A.C. 7:27-22.16(o)]	None.
20	Total Material Transferred $\leq 362,368$ tons/yr , based on maximum lb/hr combined for Raymond Mill #1 (E24) and Raymond Mill #2 (E25). [N.J.A.C. 7:27-22.16(a)]	Total Material Transferred: Monitored by material balance each month during operation for Raymond Mill #1 (E24) and Raymond Mill #2 (E25). [N.J.A.C. 7:27-22.16(o)]	Total Material Transferred: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Recordkeeping by accounting mass balance on a monthly basis. Record monthly throughput (tons/month) and sum-to-date (tons/yr), combined for Raymond Mill #1 (E24) and Raymond Mill #2 (E25). [N.J.A.C. 7:27-22.16(o)]	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U24 Raymond Mill #1 and Raymond Mill #2

Operating Scenario: OS1 60" Raymond Mill #1 - NG Fuel - E24-CD16-PT26

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 0.11 lb/hr based on burner manufacturer test data from operating permit minor modification BOP070001 application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	NOx (Total) <= 0.3 lb/hr based on burner manufacturer test data from operating permit minor modification BOP070001 application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 0.78 lb/hr based on burner manufacturer test data from operating permit minor modification BOP070001 application. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	TSP <= 0.35 lb/hr based on preconstruction permit (total - process and combustion emissions). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	PM-10 (Total) <= 0.35 lb/hr based on preconstruction permit (total - process and combustion emissions). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	PM-2.5 (Total) <= 0.35 lb/hr from BOP140001 (total - process and combustion emissions). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.



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Facility Specific Requirements**

Emission Unit: U24 Raymond Mill #1 and Raymond Mill #2

Operating Scenario: OS2 60" Raymond Mill #1 - #2 Distillate oil - E24-CD16-PT26

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Sulfur Content in Fuel <= 500 ppmw (0.05% by weight). Effective July 1, 2014 through June 30, 2016. [N.J.A.C. 7:27-9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
2	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). Effective July 1, 2016. [N.J.A.C. 7:27-9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
3	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27-9.2(b)]	None.	None.	None.
4	VOC (Total) <= 0.16 lb/hr based on burner manufacturer test data from operating permit minor modification BOP070001 application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 0.57 lb/hr based on burner manufacturer test data from operating permit minor modification BOP070001 application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 1.16 lb/hr based on burner manufacturer test data from operating permit minor modification BOP070001 application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.38 lb/hr based on preconstruction permit (total - process and combustion emissions). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
8	PM-10 (Total) <= 0.38 lb/hr based on preconstruction permit (total - process and combustion emissions). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.



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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	PM-2.5 (Total) <= 0.38 lb/hr from BOP140001 (total - process and combustion emissions). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	Maximum emission rate of SO2 is below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.



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Facility Specific Requirements**

Emission Unit: U24 Raymond Mill #1 and Raymond Mill #2

Operating Scenario: OS3 60" Raymond Mill #2 - NG Fuel - E25-CD18-PT27

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 0.11 lb/hr based on burner manufacturer test data from operating permit minor modification BOP070001 application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	NOx (Total) <= 0.3 lb/hr based on burner manufacturer test data from operating permit minor modification BOP070001 application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	CO <= 0.78 lb/hr based on burner manufacturer test data from operating permit minor modification BOP070001 application. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	TSP <= 0.35 lb/hr based on preconstruction permit (total - process and combustion emissions). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	PM-10 (Total) <= 0.35 lb/hr based on preconstruction permit (total - process and combustion emissions). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	PM-2.5 (Total) <= 0.35 lb/hr from BOP140001 (total - process and combustion emissions). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U24 Raymond Mill #1 and Raymond Mill #2

Operating Scenario: OS4 60" Raymond Mill #2 - #2 Distillate oil - E25-CD18-PT27

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Sulfur Content in Fuel <= 500 ppmw (0.05% by weight). Effective July 1, 2014 through June 30, 2016. [N.J.A.C. 7:27-9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
2	Sulfur Content in Fuel <= 15 ppmw (0.0015% by weight). Effective July 1, 2016. [N.J.A.C. 7:27-9.2(b)]	Sulfur Content in Fuel: Monitored by review of fuel delivery records per delivery. [N.J.A.C. 7:27-22.16(o)]	Sulfur Content in Fuel: Recordkeeping by invoices / bills of lading / certificate of analysis per delivery showing fuel sulfur content. [N.J.A.C. 7:27-22.16(o)]	None.
3	Fuel stored in New Jersey that met the applicable maximum sulfur content standard of Tables 1A or 1B of N.J.A.C. 7:27-9.2 at the time it was stored in New Jersey may be used in New Jersey after the operative date of the applicable standard in Table 1B. [N.J.A.C. 7:27-9.2(b)]	None.	None.	None.
4	VOC (Total) <= 0.16 lb/hr based on burner manufacturer test data from operating permit minor modification BOP070001 application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	NOx (Total) <= 0.57 lb/hr based on burner manufacturer test data from operating permit minor modification BOP070001 application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	CO <= 1.16 lb/hr based on burner manufacturer test data from operating permit minor modification BOP070001 application. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.38 lb/hr based on preconstruction permit (total - process and combustion emissions). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
8	PM-10 (Total) <= 0.38 lb/hr based on preconstruction permit (total - process and combustion emissions). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.



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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	PM-2.5 (Total) <= 0.38 lb/hr from BOP140001 (total - process and combustion emissions). [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
10	Maximum emission rate of SO2 is below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.



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Facility Specific Requirements**

**Emission Unit:** U26 Portland Cement Bin (aka Reserve Bin #4)

**Operating Scenario:** OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No Visible Emissions: Equipment shall not be used in a manner which will cause visible emissions, exclusive of condensed water vapor based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	All particulate emissions from this emission unit shall be exhausted through a baghouse (CD19), which vents indoors. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	TSP <= 0.4 tons/yr based on preconstruction permit limit of 0.1 lb/hr and 8000 hours/year of operation. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	PM-10 (Total) <= 0.4 tons/yr based on lb/hr and operating hour limits. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	PM-2.5 (Total) <= 0.4 tons/yr based on lb/hr and operating hour limits, from BOP140001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
6	TSP <= 0.1 lb/hr based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
7	PM-10 (Total) <= 0.1 lb/hr based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
8	PM-2.5 (Total) <= 0.1 lb/hr from BOP140001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.



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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	Pressure Drop Across the Baghouse $\geq$ 1 and Pressure Drop Across the Baghouse $\leq$ 8 inches w.c.. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop Across the Baghouse: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily in a logbook or other electronic data management system. [N.J.A.C. 7:27-22.16(o)]	None.
10	The owner or operator shall inspect and maintain the baghouse on a schedule necessary to achieve the required particulate control efficiency as specified by the manufacturer. [N.J.A.C. 7:27-22.16(e)]	Monitored by visual determination at the manufacturer's specified frequency. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Record each inspection and maintenance event in a logbook or readily accessible computer memory. [N.J.A.C. 7:27-22.16(o)]	None.
11	Raw material limited to gypsum rock, impurities, recycled gypsum products, and other ingredients necessary for the production of gypsum products. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by reviewing raw material delivery records per delivery.[N.J.A.C. 7:27-22.16(e)].	Other: Maintain invoices, bills of lading, and/or MSDS sheets for raw materials received.[N.J.A.C. 7:27-22.16(o)].	None.
12	Total Material Transferred $\leq$ 200,000 lb/batch based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
13	Total Material Transferred $\leq$ 292,000 tons/yr based on 3 hours/batch per preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
14	All requests, reports, applications, submittal, and other communications required by 40 CFR 60 shall be submitted in duplicate to the EPA Region II Administrator: United States Environmental Protection Agency, Region II Air Compliance Branch 290 Broadway New York, NY 10007-1866. (NSPS Subpart A) [40 CFR 60.4(a)]	None.	None.	Submit a report: As per the approved schedule to EPA Region II as required by 40 CFR 60. [40 CFR 60.4(a)]



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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
15	Submit copies of all requests, reports, applications, submittals, and other communications required by 40 CFR 60 to the NJDEP Central Regional Enforcement Office. (NSPS Subpart A) [40 CFR 60.4(b)]	None.	None.	Submit a report: As per the approved schedule to the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60. [40 CFR 60.4(b)]
16	The subpart A requirement under 40 CFR 60.7(a)(1) for notification of the date construction or reconstruction commenced is waived for affected facilities under 40 CFR 60 Subpart OOO. (NSPS Subpart OOO) [40 CFR 60.676(h)]	None.	None.	None.
17	Submit a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 40 CFR 60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional relevant information subsequent to this notice. (NSPS Subpart A) [40 CFR 60.7(a)(4)]	None.	None.	Submit notification: Prior to occurrence of event (60 days or as soon as practicable before change is commenced). [40 CFR 60.a(4)]
18	Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (NSPS Subpart A) [40 CFR 60.7(b)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Maintain readily accessible records of the occurrence and duration of any startup, shutdown, or malfunction in a logbook. [40 CFR 60.7(b)]	None.



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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
19	Except as specified in paragraphs (a)(1),(a)(2), (a)(3), and (a)(4) of Section 40 CFR 60.8, within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility, or at such other times specified by this part, and at such other times as may be required by the Administrator under section 114 of the Act, the owner or operator of such facility shall conduct performance test(s) and furnish the Administrator a written report of the results of such performance test(s). (NSPS Subpart A) [40 CFR 60.8(a)]	None.	None.	None.
20	If a force majeure is about to occur, occurs, or has occurred for which the affected owner or operator intends to assert a claim of force majeure, the owner or operator shall notify the Administrator, in writing as soon as practicable following the date the owner or operator first knew, or through due diligence should have known that the event may cause or caused a delay in testing beyond the regulatory deadline, but the notification must occur before the performance test deadline unless the initial force majeure or a subsequent force majeure event delays the notice, and in such cases, the notification shall occur as soon as practicable. (NSPS Subpart A) [40 CFR 60.8(a)(1)]	None.	None.	None.



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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
21	The owner or operator shall provide to the Administrator a written description of the force majeure event and a rationale for attributing the delay in testing beyond the regulatory deadline to the force majeure; describe the measures taken or to be taken to minimize the delay; and identify a date by which the owner or operator proposes to conduct the performance test. The performance test shall be conducted as soon as practicable after the force majeure occurs. (NSPS Subpart A) [40 CFR 60.8(a)(2)]	None.	None.	None.
22	The decision as to whether or not to grant an extension to the performance test deadline is solely within the discretion of the Administrator. The Administrator will notify the owner or operator in writing of approval or disapproval of the request for an extension as soon as practicable. (NSPS Subpart A) [40 CFR 60.8(a)(3)]	None.	None.	None.
23	Until an extension of the performance test deadline has been approved by the Administrator under paragraphs (a)(1), (2), and (3) of Section 40 CFR 60.8, the owner or operator of the affected facility remains strictly subject to the requirements of this part. (NSPS Subpart A) [40 CFR 60.8(a)(4)]	None.	None.	None.



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<b>Ref.#</b>	<b>Applicable Requirement</b>	<b>Monitoring Requirement</b>	<b>Recordkeeping Requirement</b>	<b>Submittal/Action Requirement</b>
24	Performance tests shall be conducted and data reduced in accordance with the test methods and procedures contained in each applicable subpart unless the Administrator (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, (3) approves the use of an alternative method the results of which he has determined to be adequate for indicating whether a specific source is in compliance, (4) waives the requirement for performance tests because the owner or operator of a source has demonstrated by other means to the Administrator's satisfaction that the affected facility is in compliance with the standard, or (5) approves shorter sampling times and smaller sample volumes when necessitated by process variables or other factors. Nothing in this paragraph shall be construed to abrogate the Administrator's authority to require testing under section 114 of the Act. (NSPS Subpart A) [40 CFR 60.8(b)]	None.	None.	None.



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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
25	Performance tests shall be conducted under such conditions as the Administrator shall specify to the plant operator based on representative performance of the affected facility. The owner or operator shall make available to the Administrator such records as may be necessary to determine the conditions of the performance tests. Operations during periods of startup, shutdown, and malfunction shall not constitute representative conditions for the purpose of a performance test nor shall emissions in excess of the level of the applicable emission limit during periods of startup, shutdown, and malfunction be considered a violation of the applicable emission limit unless otherwise specified in the applicable standard. (NSPS Subpart A) [40 CFR 60.8(c)]	None.	None.	None.
26	The owner or operator of an affected facility shall provide the Administrator at least 30 days prior notice of any performance test, except as specified under other subparts, to afford the Administrator the opportunity to have an observer present. If after 30 days notice for an initially scheduled performance test, there is a delay (due to operational problems, etc.) in conducting the scheduled performance test, the owner or operator of an affected facility shall notify the Administrator (or delegated State or local agency) as soon as possible of any delay in the original test date, either by providing at least 7 days prior notice of the rescheduled date of the performance test, or by arranging a rescheduled date with the Administrator (or delegated State or local agency) by mutual agreement. (NSPS Subpart A) [40 CFR 60.8(d)]	None.	None.	None.



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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
27	The owner or operator of an affected facility shall provide, or cause to be provided, performance testing facilities as follows: (1) Sampling ports adequate for test methods applicable to such facility. This includes (i) constructing the air pollution control system such that volumetric flow rates and pollutant emission rates can be accurately determined by applicable test methods and procedures and (ii) providing a stack or duct free of cyclonic flow during performance tests, as demonstrated by applicable test methods and procedures. (2) Safe sampling platform(s). (3) Safe access to sampling platform(s). (4) Utilities for sampling and testing equipment. (NSPS Subpart A) [40 CFR 60.8(e)]	None.	None.	None.
28	Unless otherwise specified in the applicable subpart, each performance test shall consist of three separate runs using the applicable test method. Each run shall be conducted for the time and under the conditions specified in the applicable standard. For the purpose of determining compliance with an applicable standard, the arithmetic means of results of the three runs shall apply. In the event that a sample is accidentally lost or conditions occur in which one of the three runs must be discontinued because of forced shutdown, failure of an irreplaceable portion of the sample train, extreme meteorological conditions, or other circumstances, beyond the owner or operator's control, compliance may, upon the Administrator's approval, be determined using the arithmetic mean of the results of the two other runs. (NSPS Subpart A) [40 CFR 60.8(f)]	None.	None.	None.



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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
29	At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (NSPS Subpart A) [40 CFR 60.11(d)]	None.	None.	None.
30	No owner or operator shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. (NSPS Subpart A) [40 CFR 60.12]	None.	None.	None.
31	The owner or operator shall notify the Administrator of the proposed replacement of components. (NSPS Subpart A) [40 CFR 60.15]	None.	None.	Submit notification: At a common schedule agreed upon by the operator and the Administrator. The notification shall include information listed under 40 CFR Part 60.15(d). The notification shall be postmarked 60 days (or as soon as practicable) before construction of the replacements is commenced. [40 CFR 60.15(d)]
32	Changes in time periods for submittal of information and postmark deadlines set forth in this subpart, may be made only upon approval by the Administrator and shall follow procedures outlined in 40 CFR Part 60.19. (NSPS Subpart A) [40 CFR 60.19]	None.	None.	None.
33	Opacity <= 10 % (fugitive- all other affected facilities) (NSPS Subpart OOO). [40 CFR 60.672(b)]	None.	None.	None.



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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
34	<p>In determining compliance with the particulate matter standards in 40CFR 60.672(b) or 40 CFR 60.672(e)(1), the owner or operator shall use Method 9 of Appendix A-4 of this part and the procedures in 40 CFR 60.11, with the following additions:</p> <p>(i) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).</p> <p>(ii) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources ( e.g., road dust). The required observer position relative to the sun (Method 9 of Appendix A-4 of this part, Section 2.1) must be followed.</p> <p>(iii) For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible. (NSPS Subpart OOO) [40 CFR 60.675(c)(1)]</p>	None.	None.	None.
35	<p>When determining compliance with the fugitive emissions standard for any affected facility described under 40 CFR 60.672(b) or 40 CFR 60.672(e)(1) of this subpart, the duration of the Method 9 (40 CFR part 60, Appendix A-4) observations must be 30 minutes (five 6-minute averages). Compliance with the applicable fugitive emission limits in Table 3 of this subpart must be based on the average of the five 6-minute averages. (NSPS Subpart OOO) [40 CFR 60.675(c)(3)]</p>	None.	None.	None.



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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
36	For performance tests involving only Method 9 (40 CFR part 60 Appendix A-4) testing, the owner or operator may reduce the 30-day advance notification of performance test in 40 CFR 60.7(a)(6) and 60.8(d) to a 7-day advance notification. (NSPS Subpart OOO) [40 CFR 60.675(g)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U27 Landplaster Bin #1

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Maximum emission rate of TSP is below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	All particulate emissions from this emission unit shall be exhausted through a baghouse (CD20), which vents indoors. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	Pressure Drop Across the Baghouse $\geq$ 1 and Pressure Drop Across the Baghouse $\leq$ 8 inches w.c.. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop Across the Baghouse: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily in a logbook or other electronic data management system. [N.J.A.C. 7:27-22.16(o)]	None.
4	The owner or operator shall inspect and maintain the baghouse on a schedule necessary to achieve the required particulate control efficiency as specified by the manufacturer. [N.J.A.C. 7:27-22.16(e)]	Monitored by visual determination at the manufacturer's specified frequency. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Record each inspection and maintenance event in a logbook or readily accessible computer memory. [N.J.A.C. 7:27-22.16(o)]	None.
5	Raw material limited to gypsum rock, impurities, recycled gypsum products, and other ingredients necessary for the production of gypsum products. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by reviewing raw material delivery records per delivery.[N.J.A.C. 7:27-22.16(e)].	Other: Maintain invoices, bills of lading, and/or MSDS sheets for raw materials received.[N.J.A.C. 7:27-22.16(o)].	None.
6	Total Material Transferred $\leq$ 40,000 lb/hr. Maximum throughput rate based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	Total Material Transferred <= 175,200 tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U28 Landplaster Bin #2

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Maximum emission rate of TSP is below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	All particulate emissions from this emission unit shall be exhausted through a baghouse (CD21), which vents indoors. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	Pressure Drop Across the Baghouse $\geq$ 1 and Pressure Drop Across the Baghouse $\leq$ 8 inches w.c.. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop Across the Baghouse: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily in a logbook or other electronic data management system. [N.J.A.C. 7:27-22.16(o)]	None.
4	The owner or operator shall inspect and maintain the baghouse on a schedule necessary to achieve the required particulate control efficiency as specified by the manufacturer. [N.J.A.C. 7:27-22.16(e)]	Monitored by visual determination at the manufacturer's specified frequency. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Record each inspection and maintenance event in a logbook or readily accessible computer memory. [N.J.A.C. 7:27-22.16(o)]	None.
5	Raw material limited to gypsum rock, impurities, recycled gypsum products, and other ingredients necessary for the production of gypsum products. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by reviewing raw material delivery records per delivery.[N.J.A.C. 7:27-22.16(e)].	Other: Maintain invoices, bills of lading, and/or MSDS sheets for raw materials received.[N.J.A.C. 7:27-22.16(o)].	None.
6	Total Material Transferred $\leq$ 40,000 lb/hr Maximum throughput rate based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	Total Material Transferred <= 175,200 tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(e)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U29 Landplaster Bin #3

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Maximum emission rate of TSP is below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	All particulate emissions from this emission unit shall be exhausted through a baghouse (CD22), which vents indoors. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	Pressure Drop Across the Baghouse $\geq$ 1 and Pressure Drop Across the Baghouse $\leq$ 8 inches w.c.. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop Across the Baghouse: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily in a logbook or other electronic data management system. [N.J.A.C. 7:27-22.16(o)]	None.
4	The owner or operator shall inspect and maintain the baghouse on a schedule necessary to achieve the required particulate control efficiency as specified by the manufacturer. [N.J.A.C. 7:27-22.16(e)]	Monitored by visual determination at the manufacturer's specified frequency. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Record each inspection and maintenance event in a logbook or readily accessible computer memory. [N.J.A.C. 7:27-22.16(o)]	None.
5	Raw material limited to gypsum rock, impurities, recycled gypsum products, and other ingredients necessary for the production of gypsum products. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by reviewing raw material delivery records per delivery. [N.J.A.C. 7:27-22.16(e)].	Other: Maintain invoices, bills of lading, and/or MSDS sheets for raw materials received. [N.J.A.C. 7:27-22.16(o)].	None.
6	Total Material Transferred $\leq$ 40,000 lb/hr. Maximum throughput rate based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity. [N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity. [N.J.A.C. 7:27-22.16(o)].	None.



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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	Total Material Transferred <= 175,200 tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Emission Unit:** U30 Moulding Plaster Bin / Stucco Reserve Bin #3

**Operating Scenario:** OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Maximum emission rate of TSP is below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	All particulate emissions from this emission unit shall be exhausted through a baghouse (CD23), which vents indoors. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	The owner or operator shall inspect and maintain the baghouse on a schedule necessary to achieve the required particulate control efficiency as specified by the manufacturer. [N.J.A.C. 7:27-22.16(e)]	Monitored by visual determination at the manufacturer's specified frequency. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Record each inspection and maintenance event in a logbook or readily accessible computer memory. [N.J.A.C. 7:27-22.16(o)]	None.
4	Pressure Drop Across the Baghouse $\geq$ 1 and Pressure Drop Across the Baghouse $\leq$ 8 inches w.c.. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop Across the Baghouse: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily in a logbook or other electronic data management system. [N.J.A.C. 7:27-22.16(o)]	None.
5	Raw material limited to gypsum rock, impurities, recycled gypsum products, and other ingredients necessary for the production of gypsum products. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by reviewing raw material delivery records per delivery. [N.J.A.C. 7:27-22.16(o)].	Other: Maintain invoices, bills of lading, and/or MSDS sheets for raw materials received. [N.J.A.C. 7:27-22.16(o)].	None.



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Facility Specific Requirements**

**Emission Unit:** U30 Moulding Plaster Bin / Stucco Reserve Bin #3

**Operating Scenario:** OS1 Moulding Plaster Bin #3 (aka Stucco Reserve Bin #3) - E30-CD23-PT32(venting indoors), OS2 Moulding Plaster Bin Elevator - E61-CD23-PT32(venting indoors)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Total Material Transferred <= 40,000 lb/hr. Maximum throughput rate based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
2	Total Material Transferred <= 175,200 tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U31 Stucco Cooling

Subject Item: CD24 Stucco Cooling Dust Collector

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Pressure Drop Across the Baghouse $\geq 1$ and Pressure Drop Across the Baghouse $\leq 8$ inches w.c.. [N.J.A.C. 7:27-22.16(e)]	Pressure Drop Across the Baghouse: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily in a logbook or other electronic data management system. [N.J.A.C. 7:27-22.16(o)]	None.
2	The owner or operator shall inspect and maintain the baghouse on a schedule necessary to achieve the required particulate control efficiency as specified by the manufacturer. [N.J.A.C. 7:27-22.16(e)]	Monitored by visual determination at the manufacturer's specified frequency. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Record each inspection and maintenance event in a logbook or readily accessible computer memory. [N.J.A.C. 7:27-22.16(o)]	None.
3	Baghouse Control Efficiency $\geq 99\%$ . [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.



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Facility Specific Requirements**

Emission Unit: U31 Stucco Cooling

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of Applicable Federal Regulations: 40 CFR Part 60 Subpart A 40 CFR Part 60 Subpart OOO [None]	None.	None.	None.
2	<p><b>STACK TESTING SUMMARY</b> The permittee shall conduct a stack test using a protocol approved by the Department to demonstrate compliance with emission limits for Particulate Matter, TSP, PM10, and PM2.5 as specified in the compliance plan for OS Summary.</p> <p>Testing must be conducted at worst-case permitted operating conditions with regard to meeting the applicable emission standards, but without creating an unsafe condition. [N.J.A.C. 7:27-22.16(a)]</p>	Other: The stack test must be conducted either within 60 days of the protocol approval or within 180 days after initial startup of the modified source, whichever comes later. [N.J.A.C. 7:27-22.18] and [N.J.A.C. 7:27-22.16(o)].	Other: Recordkeeping as required under the applicable operating scenario(s). [N.J.A.C. 7:27-22.16(o)].	<p>Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Submit a stack test protocol to the Emission Measurement Section (EMS) at Mail Code: 09-01, PO Box 420, Trenton, NJ 08625 within 60 days from the date of the approved operating permit BOP190005. The protocol and test report must be prepared and submitted on a CD using the Electronic Reporting Tool (ERT), unless another format is approved by EMS. The ERT program can be downloaded at: <a href="http://www.epa.gov/ttnchie1/ert">http://www.epa.gov/ttnchie1/ert</a>. Within 30 days of protocol approval or no less than 60 days prior to the testing deadline, whichever is later, the permittee must contact EMS at 609-984-3443 to schedule a mutually acceptable test date.</p> <p>A full stack test report must be submitted to EMS and a certified summary test report must be submitted to the Regional Enforcement Office within 45 days after performing the stack test pursuant to N.J.A.C. 7:27-22.19(d). The test results must be certified by a licensed professional engineer or certified industrial hygienist. [N.J.A.C. 7:27-22.18(e)] and. [N.J.A.C. 7:27-22.18(h)]</p>
3	Particulate Emissions <= 1.51 lb/hr based on 0.02 grains per scf at 11,000 acfm and 190 degrees F. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.



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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	Opacity <= 20 % , exclusive of condensed water vapor, except for 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] and [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.
5	No Visible Emissions, exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(a)]	Monitored by visual determination each month during operation. Conduct visual opacity inspections during daylight hours to identify if the stack has visible emissions, other than condensed water vapor. Select an observation position enabling clear view of emission point(s), minimum 15 feet away without sunlight shining directly into the eyes. Observe for a minimum duration of 30 minutes. Clock observation with two stopwatches starting the 1st watch at the commencement of the 30-minute observation period and starting and stopping the 2nd watch every time visible emissions are first seen and when they cease, and record the observation. If visible emissions are observed for more than 3 minutes in the 30-consecutive minutes: (1) Verify the equipment and/or control device causing visible emissions is operating according to manufacturer's specifications. If it is not operating properly, take corrective action immediately to eliminate the excess emissions. (2) If the opacity problem is not corrected within 24 hours, perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Conduct such test each day until the opacity problem is successfully corrected. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Record and retain the following: (1) Date and time of inspection; (2) Emission Point number; (3) Operational status of equipment; (4) Observed results and conclusions; (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and (8) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]	None.
6	TSP <= 1.58 tons/yr for the combined operation of U31 Stucco Cooling equipment based on hourly emission rates and 8760 hours of operation. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.



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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	PM-10 (Total) <= 1.18 tons/yr for the combined operation of U31 Stucco Cooling equipment based on hourly emission rates and 8760 hours of operation. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	PM-2.5 (Total) <= 1.18 tons/yr for the combined operation of U31 Stucco Cooling equipment based on hourly emission rates and 8760 hours of operation. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
9	Particulate Emissions <= 0.014 gr/dscf from Table 2 of NSPS Subpart OOO. [40 CFR 60.672(a)]	Particulate Emissions: Monitored by stack emission testing once initially, based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	Particulate Emissions: Recordkeeping by stack test results upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary for details. [N.J.A.C. 7:27-22.16(o)]
10	TSP <= 0.36 lb/hr The maximum hourly emission rate for the combined operation of U31 equipment. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by stack emission testing once initially, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary Ref. #2. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by stack test results upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary for details. [N.J.A.C. 7:27-22.16(o)]
11	PM-10 (Total) <= 0.27 lb/hr The maximum hourly emission rate for the combined operation of U31 equipment. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by stack emission testing once initially, based on the average of three Department validated stack test runs. See the stack testing requirements in OS Summary Ref. #2. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by stack test results upon occurrence of event. See the stack testing requirements in OS Summary Ref. #2. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary for details. [N.J.A.C. 7:27-22.16(o)]
12	PM-2.5 (Total) <= 0.27 lb/hr The maximum hourly emission rate for the combined operation of U31 equipment. [N.J.A.C. 7:27-22.16(a)]	PM-2.5 (Total): Monitored by stack emission testing once initially, based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	PM-2.5 (Total): Recordkeeping by stack test results upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary for details. [N.J.A.C. 7:27-22.16(o)]
13	Raw material limited to gypsum rock, impurities, recycled gypsum products, and other ingredients necessary for the production of gypsum products. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.



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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
14	Total Material Transferred <= 525,600 tons/yr based on maximum hourly material transfer rate and operating hours per year. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by Bills of Lading or production records showing the amount of materials in tons delivered per delivery.[N.J.A.C. 7:27-22.16(o)].	Total Material Transferred: Recordkeeping by manual logging of parameter or storing data in a computer data system per delivery Record the following information and retain the records of invoices, bills of lading, and/or MSDS sheets for raw materials received:  1. The date and the amount of materials delivered (tons). 2. The total throughput (tons) during each consecutive 12 month period. [N.J.A.C. 7:27-22.16(o)]	None.
15	The 40 CFR 60 Subpart OOO applicable requirements applies to U31 OS8, OS9 and OS10). See GR1 for NSPS Subpart A for General Provision requirements. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
16	Opacity <= 7 % (Stack). (NSPS Subpart OOO). [40 CFR 60.672(a)]	Opacity: Monitored by visual determination once initially. Method 9 of appendix A-4 of this part and the procedures in 40 CFR 60.11 shall be used to determine opacity. [40 CFR 60.675(b)(2)] In determining compliance with the particulate matter standards in 40CFR 60.672(b) or 40 CFR 60.672(e)(1), the owner or operator shall use Method 9 of Appendix A-4 of this part and the procedures in 40 CFR 60.11, with the following additions: (i) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet). (ii) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources ( e.g., road dust). The required observer position relative to the sun (Method 9 of Appendix A-4 of this part, Section 2.1) must be followed. [40 CFR 60.675(c)(1)]	Opacity: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event (in a logbook or other electronic data management system) and retain the following records: (1) Date and time of Method 9 opacity observation; (2) Emission unit and operating scenario number(s); (3) Operational status of the equipment; (4) Observed results and conclusions; (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and (8) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]	Submit a report: Within 60 days of stack testing. The permittee shall report to the Administrator the opacity results along with the results of the initial performance test required under §60.8. [40 CFR 60.11(e)(2)]



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
17	Opacity <= 7 % (fugitive emissions). Affected facilities must meet the fugitive emission limits and compliance requirements in Table 3 of this subpart within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup as required under §60.11. The requirements in Table 3 of this subpart apply for fugitive emissions from affected facilities without capture systems and for fugitive emissions escaping capture systems. [40 CFR 60.672(b)]	Other: Performance tests to determine compliance with the fugitive emission limits shall be conducted once initially and every 5 years thereafter. An initial performance test according to §60.11 of this part and §60.675 of this subpart; and a repeat performance test according to §60.11 of this part and §60.675 of this subpart within 5 years from the previous performance test for fugitive emissions from affected facilities without water sprays.[40 CFR 60.675(d)(1)].	Opacity: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event (in a logbook or other electronic data management system) and retain the following records: (1) Date and time of Method 9 opacity observation; (2) Emission unit and operating scenario number(s); (3) Operational status of the equipment; (4) Observed results and conclusions; (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and (8) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]	Submit a report: Within 60 days of stack testing. The permittee shall report to the Administrator the opacity results along with the results of the initial performance test required under §60.8. [40 CFR 60.11(e)(2)]
18	When determining compliance with the fugitive emissions standard for any affected facility described under 40 CFR 60.672(b) or 40 CFR 60.672(e)(1) of this subpart, the duration of the Method 9 (40 CFR part 60, Appendix A-4) observations must be 30 minutes (five 6-minute averages). Compliance with the applicable fugitive emission limits in Table 3 of this subpart must be based on the average of the five 6-minute averages. (NSPS Subpart OOO) [40 CFR 60.675(c)(3)]	None.	None.	None.
19	For performance tests involving only Method 9 (40 CFR part 60 Appendix A-4) testing, the owner or operator may reduce the 30-day advance notification of performance test in 40 CFR 60.7(a)(6) and 60.8(d) to a 7-day advance notification. (NSPS Subpart OOO) [40 CFR 60.675(g)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Emission Unit:** U31 Stucco Cooling

**Operating Scenario:** OS1 Stucco Cooler - #1 Elevator Discharge Screw, OS2 Stucco Cooler - #1 Collecting Screw, OS3 Stucco Cooler - #1 Cross Screw, OS4 Stucco Cooler - #2 Elevator Discharge Screw, OS5 Stucco Cooler - #2 Collecting Screw, OS6 Stucco Cooler - #2 Cross Screw, OS7 Stucco Cooler - #430 Conveyor Screw

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Maximum emission rate of TSP, PM10 and PM2.5 is below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	Total Material Transferred <= 120,000 lb/hr. Maximum hourly throughput rate. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U31 Stucco Cooling

Operating Scenario: OS8 Bulk Stucco Loading Spout

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	TSP <= 0.14 lb/hr based on 0.02 gr/dscf from NJAC 7:27-6.2(a) and booster fan air flow rate of 815 dscfm. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	PM-10 (Total) <= 0.14 lb/hr based on 0.02 gr/dscf from NJAC 7:27-6.2(a) and booster fan air flow rate of 815 dscfm. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	PM-2.5 (Total) <= 0.14 lb/hr based on 0.02 gr/dscf from NJAC 7:27-6.2(a) and booster fan air flow rate of 815 dscfm. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Total Material Transferred <= 100,000 lb/hr. Maximum hourly throughput rate. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by Bills of Lading or production records showing the amount of materials delivered per delivery.[N.J.A.C. 7:27-22.16(o)].	Total Material Transferred: Recordkeeping by manual logging of parameter or storing data in a computer data system per delivery Record the following information and retain the records of invoices, bills of lading, and/or MSDS sheets for raw materials received:  1. The date and the amount of materials delivered (tons). 2. The total throughput (tons) during each consecutive 12 month period. [N.J.A.C. 7:27-22.16(o)]	None.
5	Total Material Transferred <= 438,000 tons/yr based on maximum hourly material transfer rate and operating hours. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by Bills of Lading or production records showing the amount of materials in tons delivered per delivery.[N.J.A.C. 7:27-22.16(o)].	Total Material Transferred: Recordkeeping by manual logging of parameter or storing data in a computer data system per delivery. Record the following information and retain the bills of lading:  1. The date and the amount of material loaded (tons) on each truck loading. 2. The total material transferred (tons) during each consecutive 12 month period. [N.J.A.C. 7:27-22.16(o)]	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	The NSPS Subpart A requirement under 40 CFR 60.7(a)(1) for notification of the date construction or reconstruction commenced is waived for affected facilities under 40 CFR 60 Subpart OOO. [40 CFR 60.676(h)]	None.	None.	None.
7	Particulate Emissions $\leq 0.014$ gr/dscf (baghouse stack) from the requirements in Table 2 of NSPS Subpart OOO. [40 CFR 60.672(a)]	None.	None.	None.
8	Opacity $\leq 7$ % (Stack). The owner or operator shall demonstrate compliance with the opacity standards as specified in Table 2 of 40 CFR Part 60 NSPS Subpart OOO. [40 CFR 60.672(a)]	None.	None.	None.
9	In determining compliance with the particulate matter standards in 40CFR 60.672(b) or 40 CFR 60.672(e)(1), the owner or operator shall use Method 9 of Appendix A-4 of this part and the procedures in 40 CFR 60.11, with the following additions: (i) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet). (ii) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources ( e.g., road dust). The required observer position relative to the sun (Method 9 of Appendix A-4 of this part, Section 2.1) must be followed. (iii) For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.(NSPS Subpart OOO). [40 CFR 60.675(c)(1)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	When determining compliance with the fugitive emissions standard for any affected facility described under 40 CFR 60.672(b) or 40 CFR 60.672(e)(1) of this subpart, the duration of the Method 9 (40 CFR part 60, Appendix A-4) observations must be 30 minutes (five 6-minute averages). Compliance with the applicable fugitive emission limits in Table 3 of this subpart must be based on the average of the five 6-minute averages. (NSPS Subpart OOO). [40 CFR 60.675(c)(3)]	None.	None.	None.
11	For performance tests involving only Method 9 (40 CFR part 60 Appendix A-4) testing, the owner or operator may reduce the 30-day advance notification of performance test in 40 CFR 60.7(a)(6) and 60.8(d) to a 7-day advance notification. (NSPS Subpart OOO). [40 CFR 60.675(g)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U31 Stucco Cooling

Operating Scenario: OS9 Bulk Stucco Handling Elevator

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Maximum emission rate of TSP, PM10 and PM2.5 is below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	Total Material Transferred <= 100,000 lb/hr. Maximum throughput rate based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
3	Total Material Transferred <= 438,000 tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
4	The subpart A requirement under 40 CFR 60.7(a)(1) for notification of the date construction or reconstruction commenced is waived for affected facilities under 40 CFR 60 Subpart OOO. (NSPS Subpart OOO) [40 CFR 60.676(h)]	None.	None.	None.
5	Particulate Emissions <= 0.022 gr/dscf (baghouse stack). (NSPS Subpart OOO). [40 CFR 60.672(a)]	None.	None.	None.
6	Opacity <= 7 % (Stack). (NSPS Subpart OOO). [40 CFR 60.672(a)]	None.	None.	None.



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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	<p>In determining compliance with the particulate matter standards in 40CFR 60.672(b) or 40 CFR 60.672(e)(1), the owner or operator shall use Method 9 of Appendix A-4 of this part and the procedures in 40 CFR 60.11, with the following additions:</p> <p>(i) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).</p> <p>(ii) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources ( e.g., road dust). The required observer position relative to the sun (Method 9 of Appendix A-4 of this part, Section 2.1) must be followed.</p> <p>(iii) For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible. (NSPS Subpart OOO). [40 CFR 60.675(c)(1)]</p>	None.	None.	None.
8	<p>When determining compliance with the fugitive emissions standard for any affected facility described under 40 CFR 60.672(b) or 40 CFR 60.672(e)(1) of this subpart, the duration of the Method 9 (40 CFR part 60, Appendix A-4) observations must be 30 minutes (five 6-minute averages). Compliance with the applicable fugitive emission limits in Table 3 of this subpart must be based on the average of the five 6-minute averages. (NSPS Subpart OOO). [40 CFR 60.675(c)(3)]</p>	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	For performance tests involving only Method 9 (40 CFR part 60 Appendix A-4) testing, the owner or operator may reduce the 30-day advance notification of performance test in 40 CFR 60.7(a)(6) and 60.8(d) to a 7-day advance notification. (NSPS Subpart OOO). [40 CFR 60.675(g)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U31 Stucco Cooling

Operating Scenario: OS10 Bulk Stucco Handling Sifter

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Maximum emission rate of TSP, PM10 and PM2.5 are below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	Total Material Transferred <= 100,000 lb/hr. Maximum throughput rate based on equipment rated capacity. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
3	Total Material Transferred <= 438,000 tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
4	The subpart A requirement under 40 CFR 60.7(a)(1) for notification of the date construction or reconstruction commenced is waived for affected facilities under 40 CFR 60 Subpart OOO. (NSPS Subpart OOO) [40 CFR 60.676(h)]	None.	None.	None.
5	Particulate Emissions <= 0.014 gr/dscf (baghouse stack). (NSPS Subpart OOO). [40 CFR 60.672(a)]	None.	None.	None.
6	Opacity <= 7 % (Stack). (NSPS Subpart OOO). [40 CFR 60.672(a)]	None.	None.	None.



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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	<p>In determining compliance with the particulate matter standards in 40CFR 60.672(b) or 40 CFR 60.672(e)(1), the owner or operator shall use Method 9 of Appendix A-4 of this part and the procedures in 40 CFR 60.11, with the following additions:</p> <p>(i) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).</p> <p>(ii) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources ( e.g., road dust). The required observer position relative to the sun (Method 9 of Appendix A-4 of this part, Section 2.1) must be followed.</p> <p>(iii) For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible. (NSPS Subpart OOO). [40 CFR 60.675(c)(1)]</p>	None.	None.	None.
8	<p>When determining compliance with the fugitive emissions standard for any affected facility described under 40 CFR 60.672(b) or 40 CFR 60.672(e)(1) of this subpart, the duration of the Method 9 (40 CFR part 60, Appendix A-4) observations must be 30 minutes (five 6-minute averages). Compliance with the applicable fugitive emission limits in Table 3 of this subpart must be based on the average of the five 6-minute averages. (NSPS Subpart OOO). [40 CFR 60.675(c)(3)]</p>	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
9	For performance tests involving only Method 9 (40 CFR part 60 Appendix A-4) testing, the owner or operator may reduce the 30-day advance notification of performance test in 40 CFR 60.7(a)(6) and 60.8(d) to a 7-day advance notification. (NSPS Subpart OOO). [40 CFR 60.675(g)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Emission Unit:** U31 Stucco Cooling  
**Operating Scenario:** OS11 Barrel Separator

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	TSP <= 0.22 lb/hr based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	PM-10 (Total) <= 0.13 lb/hr based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	PM-2.5 (Total) <= 0.13 lb/hr based on AP-42 emission factor. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Total Material Transferred <= 120,000 lb/hr. Maximum throughput rate. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
5	Total Material Transferred <= 525,600 tons/yr based on maximum lb/hr from operating permit application BOP090001. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U34 Reclaim Feeder and Belt Conveyor

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % , exclusive of visible condensed water vapor, for a period of not longer than three (3) minutes in any consecutive 30-minute period including periods of startup and shutdown. [N.J.A.C. 7:27-6.2(d)] and. [N.J.A.C. 7:27- 6.2(e)]	Opacity: Monitored by visual determination each month during operation, based on an instantaneous determination. For compliance with the opacity standard, the permittee shall conduct visual opacity inspections during daylight hours. Visual inspections shall consist of a visual survey to identify if the stack has visible emissions, (other than condensed water vapor), greater than the prescribed standard. If visible emissions are observed, the permittee shall do the following: (1) Verify that the equipment and/or control device causing the emission is operating according to manufactures specifications and the operating permit compliance plan. If the equipment or control device is not operating properly, the permittee shall take corrective action immediately to eliminate the excess emissions. The permittee must report any permit violations to NJDEP pursuant to N.J.A.C. 7:27-22.19. (2) If the corrective action taken in step (1) does not correct the opacity problem within 24 hours, the permittee shall perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Such test shall be conducted each day until corrective action is taken to successfully correct the opacity problem. [N.J.A.C. 7:27-22.16(o)]	Opacity: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation (in a logbook or other electronic data management system) and retain the following records: (1) Date and time of inspection; (2) Emission point number; (3) Operational status of the equipment; (4) Observed results and conclusions; (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and (8) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
2	No Visible Emissions: Equipment shall not be used in a manner which will cause visible emissions, exclusive of condensed water vapor based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	Monitored by visual determination each month during operation, based on an instantaneous determination. For compliance with the opacity standard, the permittee shall conduct visual opacity inspections during daylight hours. Visual inspections shall consist of a visual survey to identify if the stack has visible emissions, (other than condensed water vapor), greater than the prescribed standard. If visible emissions are observed, the permittee shall do the following: (1) Verify that the equipment and/or control device causing the emission is operating according to manufactures specifications and the operating permit compliance plan. If the equipment or control device is not operating properly, the permittee shall take corrective action immediately to eliminate the excess emissions. The permittee must report any permit violations to NJDEP pursuant to N.J.A.C. 7:27-22.19. (2) If the corrective action taken in step (1) does not correct the opacity problem within 24 hours, the permittee shall perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Such test shall be conducted each day until corrective action is taken to successfully correct the opacity problem. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation (in a logbook or other electronic data management system) and retain the following records: (1) Date and time of inspection; (2) Emission point number; (3) Operational status of the equipment; (4) Observed results and conclusions; (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and (8) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]	None.
3	Raw materials limited to gypsum rock, impurities, recycled gypsum products and other ingredients necessary for the production of gypsum products based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by reviewing raw material delivery records per delivery.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain invoices, bills of lading, and/or MSDS sheets for raw materials received.[N.J.A.C. 7:27-22.16(o)].	None.
4	Total Material Transferred <= 438,000 tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Emission Unit:** U34 Reclaim Feeder and Belt Conveyor

**Operating Scenario:** OS1 Reclaim Feeder and Belt Conveyor- Feeder for shredding wallboard - E40-PT34

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr based on 0.02 grains per scf at less than 3,000 acfm and 100 degrees F. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	Maximum emission rate of TSP is below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	Total Material Transferred <= 100,000 lb/hr. Maximum throughput rate based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U34 Reclaim Feeder and Belt Conveyor

Operating Scenario: OS2 Reclaim Belt Conveyor

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr based on 0.02 grains per scf at less than 3,000 acfm and 100 degrees F. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	Maximum emission rate of TSP is below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	Total Material Transferred <= 100,000 lb/hr. Maximum throughput rate based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
4	All requests, reports, applications, submittal, and other communications required by 40 CFR 60 shall be submitted in duplicate to the EPA Region II Administrator: United States Environmental Protection Agency, Region II Air Compliance Branch 290 Broadway New York, NY 10007-1866. (NSPS Subpart A) [40 CFR 60.4(a)]	None.	None.	Submit a report: As per the approved schedule to EPA Region II as required by 40 CFR 60. [40 CFR 60.4(a)]
5	Submit copies of all requests, reports, applications, submittals, and other communications required by 40 CFR 60 to the NJDEP Central Regional Enforcement Office. (NSPS Subpart A) [40 CFR 60.4(b)]	None.	None.	Submit a report: As per the approved schedule to the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60. [40 CFR 60.4(b)]
6	The subpart A requirement under 40 CFR 60.7(a)(1) for notification of the date construction or reconstruction commenced is waived for affected facilities under 40 CFR 60 Subpart OOO. (NSPS Subpart OOO) [40 CFR 60.676(h)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	Submit a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 40 CFR 60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional relevant information subsequent to this notice. (NSPS Subpart A) [40 CFR 60.7(a)(4)]	None.	None.	Submit notification: Prior to occurrence of event (60 days or as soon as practicable before change is commenced). [40 CFR 60.a(4)]
8	Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (NSPS Subpart A) [40 CFR 60.7(b)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Maintain readily accessible records of the occurrence and duration of any startup, shutdown, or malfunction in a logbook. [40 CFR 60.7(b)]	None.
9	Except as specified in paragraphs (a)(1),(a)(2), (a)(3), and (a)(4) of Section 40 CFR 60.8, within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility, or at such other times specified by this part, and at such other times as may be required by the Administrator under section 114 of the Act, the owner or operator of such facility shall conduct performance test(s) and furnish the Administrator a written report of the results of such performance test(s). (NSPS Subpart A) [40 CFR 60.8(a)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	If a force majeure is about to occur, occurs, or has occurred for which the affected owner or operator intends to assert a claim of force majeure, the owner or operator shall notify the Administrator, in writing as soon as practicable following the date the owner or operator first knew, or through due diligence should have known that the event may cause or caused a delay in testing beyond the regulatory deadline, but the notification must occur before the performance test deadline unless the initial force majeure or a subsequent force majeure event delays the notice, and in such cases, the notification shall occur as soon as practicable. (NSPS Subpart A) [40 CFR 60.8(a)(1)]	None.	None.	None.
11	The owner or operator shall provide to the Administrator a written description of the force majeure event and a rationale for attributing the delay in testing beyond the regulatory deadline to the force majeure; describe the measures taken or to be taken to minimize the delay; and identify a date by which the owner or operator proposes to conduct the performance test. The performance test shall be conducted as soon as practicable after the force majeure occurs. (NSPS Subpart A) [40 CFR 60.8(a)(2)]	None.	None.	None.
12	The decision as to whether or not to grant an extension to the performance test deadline is solely within the discretion of the Administrator. The Administrator will notify the owner or operator in writing of approval or disapproval of the request for an extension as soon as practicable. (NSPS Subpart A) [40 CFR 60.8(a)(3)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
13	Until an extension of the performance test deadline has been approved by the Administrator under paragraphs (a)(1), (2), and (3) of Section 40 CFR 60.8, the owner or operator of the affected facility remains strictly subject to the requirements of this part. (NSPS Subpart A) [40 CFR 60.8(a)(4)]	None.	None.	None.
14	Performance tests shall be conducted and data reduced in accordance with the test methods and procedures contained in each applicable subpart unless the Administrator (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, (3) approves the use of an alternative method the results of which he has determined to be adequate for indicating whether a specific source is in compliance, (4) waives the requirement for performance tests because the owner or operator of a source has demonstrated by other means to the Administrator's satisfaction that the affected facility is in compliance with the standard, or (5) approves shorter sampling times and smaller sample volumes when necessitated by process variables or other factors. Nothing in this paragraph shall be construed to abrogate the Administrator's authority to require testing under section 114 of the Act. (NSPS Subpart A) [40 CFR 60.8(b)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
15	Performance tests shall be conducted under such conditions as the Administrator shall specify to the plant operator based on representative performance of the affected facility. The owner or operator shall make available to the Administrator such records as may be necessary to determine the conditions of the performance tests. Operations during periods of startup, shutdown, and malfunction shall not constitute representative conditions for the purpose of a performance test nor shall emissions in excess of the level of the applicable emission limit during periods of startup, shutdown, and malfunction be considered a violation of the applicable emission limit unless otherwise specified in the applicable standard. (NSPS Subpart A) [40 CFR 60.8(c)]	None.	None.	None.
16	The owner or operator of an affected facility shall provide the Administrator at least 30 days prior notice of any performance test, except as specified under other subparts, to afford the Administrator the opportunity to have an observer present. If after 30 days notice for an initially scheduled performance test, there is a delay (due to operational problems, etc.) in conducting the scheduled performance test, the owner or operator of an affected facility shall notify the Administrator (or delegated State or local agency) as soon as possible of any delay in the original test date, either by providing at least 7 days prior notice of the rescheduled date of the performance test, or by arranging a rescheduled date with the Administrator (or delegated State or local agency) by mutual agreement. (NSPS Subpart A) [40 CFR 60.8(d)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
17	The owner or operator of an affected facility shall provide, or cause to be provided, performance testing facilities as follows: (1) Sampling ports adequate for test methods applicable to such facility. This includes (i) constructing the air pollution control system such that volumetric flow rates and pollutant emission rates can be accurately determined by applicable test methods and procedures and (ii) providing a stack or duct free of cyclonic flow during performance tests, as demonstrated by applicable test methods and procedures. (2) Safe sampling platform(s). (3) Safe access to sampling platform(s). (4) Utilities for sampling and testing equipment. (NSPS Subpart A) [40 CFR 60.8(e)]	None.	None.	None.
18	Unless otherwise specified in the applicable subpart, each performance test shall consist of three separate runs using the applicable test method. Each run shall be conducted for the time and under the conditions specified in the applicable standard. For the purpose of determining compliance with an applicable standard, the arithmetic means of results of the three runs shall apply. In the event that a sample is accidentally lost or conditions occur in which one of the three runs must be discontinued because of forced shutdown, failure of an irreplaceable portion of the sample train, extreme meteorological conditions, or other circumstances, beyond the owner or operator's control, compliance may, upon the Administrator's approval, be determined using the arithmetic mean of the results of the two other runs. (NSPS Subpart A) [40 CFR 60.8(f)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
19	At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (NSPS Subpart A) [40 CFR 60.11(d)]	None.	None.	None.
20	No owner or operator shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. (NSPS Subpart A) [40 CFR 60.12]	None.	None.	None.
21	The owner or operator shall notify the Administrator of the proposed replacement of components. (NSPS Subpart A) [40 CFR 60.15]	None.	None.	Submit notification: At a common schedule agreed upon by the operator and the Administrator. The notification shall include information listed under 40 CFR Part 60.15(d). The notification shall be postmarked 60 days (or as soon as practicable) before construction of the replacements is commenced. [40 CFR 60.15(d)]
22	Changes in time periods for submittal of information and postmark deadlines set forth in this subpart, may be made only upon approval by the Administrator and shall follow procedures outlined in 40 CFR Part 60.19. (NSPS Subpart A) [40 CFR 60.19]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
23	Opacity <= 10 % (fugitive- all other affected facilities) (NSPS Subpart OOO). [40 CFR 60.672(b)]	<p>Opacity: Monitored by visual determination each month during operation, based on an instantaneous determination. For compliance with the opacity standard, the permittee shall conduct visual opacity inspections during daylight hours. Visual inspections shall consist of a visual survey to identify if the stack has visible emissions, (other than condensed water vapor), greater than the prescribed standard. If visible emissions are observed, the permittee shall do the following:</p> <p>(1) Verify that the equipment and/or control device causing the emission is operating according to manufactures specifications and the operating permit compliance plan. If the equipment or control device is not operating properly, the permittee shall take corrective action immediately to eliminate the excess emissions. The permittee must report any permit violations to NJDEP pursuant to N.J.A.C. 7:27-22.19.</p> <p>(2) If the corrective action taken in step (1) does not correct the opacity problem within 24 hours, the permittee shall perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Such test shall be conducted each day until corrective action is taken to successfully correct the opacity problem. [N.J.A.C. 7:27-22.16(o)]</p>	<p>Opacity: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation (in a logbook or other electronic data management system) and retain the following records:</p> <p>(1) Date and time of inspection;  (2) Emission unit and operating scenario number(s);  (3) Operational status of the equipment;  (4) Observed results and conclusions;  (5) Description of corrective action taken if needed;  (6) Date and time opacity problem was solved, if applicable;  (7) N.J.A.C. 7:27B-2 results if conducted; and  (8) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]</p>	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
24	<p>In determining compliance with the particulate matter standards in 40CFR 60.672(b) or 40 CFR 60.672(e)(1), the owner or operator shall use Method 9 of Appendix A-4 of this part and the procedures in 40 CFR 60.11, with the following additions:</p> <p>(i) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).</p> <p>(ii) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources ( e.g., road dust). The required observer position relative to the sun (Method 9 of Appendix A-4 of this part, Section 2.1) must be followed.</p> <p>(iii) For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible. (NSPS Subpart OOO) [40 CFR 60.675(c)(1)]</p>	None.	None.	None.
25	<p>When determining compliance with the fugitive emissions standard for any affected facility described under 40 CFR 60.672(b) or 40 CFR 60.672(e)(1) of this subpart, the duration of the Method 9 (40 CFR part 60, Appendix A-4) observations must be 30 minutes (five 6-minute averages). Compliance with the applicable fugitive emission limits in Table 3 of this subpart must be based on the average of the five 6-minute averages. (NSPS Subpart OOO) [40 CFR 60.675(c)(3)]</p>	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

<b>Ref.#</b>	<b>Applicable Requirement</b>	<b>Monitoring Requirement</b>	<b>Recordkeeping Requirement</b>	<b>Submittal/Action Requirement</b>
26	For performance tests involving only Method 9 (40 CFR part 60 Appendix A-4) testing, the owner or operator may reduce the 30-day advance notification of performance test in 40 CFR 60.7(a)(6) and 60.8(d) to a 7-day advance notification. (NSPS Subpart OOO) [40 CFR 60.675(g)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U35 Dens Cal Feed Bin

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No Visible Emissions: Equipment shall not be used in a manner which will cause visible emissions, exclusive of condensed water vapor based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	Maximum emission rate of TSP is below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	All particulate emissions from this emission unit shall be exhausted through a baghouse (CD25), which vents indoors. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Pressure Drop Across the Baghouse $\geq$ 1 and Pressure Drop Across the Baghouse $\leq$ 8 inches w.c.. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop Across the Baghouse: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily in a logbook or other electronic data management system. [N.J.A.C. 7:27-22.16(o)]	None.
5	The owner or operator shall inspect and maintain the baghouse on a schedule necessary to achieve the required particulate control efficiency as specified by the manufacturer. [N.J.A.C. 7:27-22.16(e)]	Monitored by visual determination at the manufacturer's specified frequency. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter upon occurrence of event. Record each inspection and maintenance event in a permanently bound logbook or readily accessible computer memory. [N.J.A.C. 7:27-22.16(o)]	None.
6	Raw material limited to gypsum rock, impurities, recycled gypsum products, and other ingredients necessary for the production of gypsum products. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by reviewing raw material delivery records per delivery.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain invoices, bills of lading, and/or MSDS sheets for raw materials received.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	Total Material Transferred <= 50,000 lb/hr. Maximum throughput rate based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
8	Total Material Transferred <= 219,000 tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
9	All requests, reports, applications, submittal, and other communications required by 40 CFR 60 shall be submitted in duplicate to the EPA Region II Administrator: United States Environmental Protection Agency, Region II Air Compliance Branch 290 Broadway New York, NY 10007-1866. (NSPS Subpart A) [40 CFR 60.4(a)]	None.	None.	Submit a report: As per the approved schedule to EPA Region II as required by 40 CFR 60. [40 CFR 60.4(a)]
10	Submit copies of all requests, reports, applications, submittals, and other communications required by 40 CFR 60 to the NJDEP Central Regional Enforcement Office. (NSPS Subpart A) [40 CFR 60.4(b)]	None.	None.	Submit a report: As per the approved schedule to the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60. [40 CFR 60.4(b)]
11	The subpart A requirement under 40 CFR 60.7(a)(1) for notification of the date construction or reconstruction commenced is waived for affected facilities under 40 CFR 60 Subpart OOO. (NSPS Subpart OOO) [40 CFR 60.676(h)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	Submit a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 40 CFR 60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional relevant information subsequent to this notice. (NSPS Subpart A) [40 CFR 60.7(a)(4)]	None.	None.	Submit notification: Prior to occurrence of event (60 days or as soon as practicable before change is commenced). [40 CFR 60.a(4)]
13	Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (NSPS Subpart A) [40 CFR 60.7(b)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Maintain readily accessible records of the occurrence and duration of any startup, shutdown, or malfunction in a logbook. [40 CFR 60.7(b)]	None.
14	Except as specified in paragraphs (a)(1),(a)(2), (a)(3), and (a)(4) of Section 40 CFR 60.8, within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility, or at such other times specified by this part, and at such other times as may be required by the Administrator under section 114 of the Act, the owner or operator of such facility shall conduct performance test(s) and furnish the Administrator a written report of the results of such performance test(s). (NSPS Subpart A) [40 CFR 60.8(a)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
15	If a force majeure is about to occur, occurs, or has occurred for which the affected owner or operator intends to assert a claim of force majeure, the owner or operator shall notify the Administrator, in writing as soon as practicable following the date the owner or operator first knew, or through due diligence should have known that the event may cause or caused a delay in testing beyond the regulatory deadline, but the notification must occur before the performance test deadline unless the initial force majeure or a subsequent force majeure event delays the notice, and in such cases, the notification shall occur as soon as practicable. (NSPS Subpart A) [40 CFR 60.8(a)(1)]	None.	None.	None.
16	The owner or operator shall provide to the Administrator a written description of the force majeure event and a rationale for attributing the delay in testing beyond the regulatory deadline to the force majeure; describe the measures taken or to be taken to minimize the delay; and identify a date by which the owner or operator proposes to conduct the performance test. The performance test shall be conducted as soon as practicable after the force majeure occurs. (NSPS Subpart A) [40 CFR 60.8(a)(2)]	None.	None.	None.
17	The decision as to whether or not to grant an extension to the performance test deadline is solely within the discretion of the Administrator. The Administrator will notify the owner or operator in writing of approval or disapproval of the request for an extension as soon as practicable. (NSPS Subpart A) [40 CFR 60.8(a)(3)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
18	Until an extension of the performance test deadline has been approved by the Administrator under paragraphs (a)(1), (2), and (3) of Section 40 CFR 60.8, the owner or operator of the affected facility remains strictly subject to the requirements of this part. (NSPS Subpart A) [40 CFR 60.8(a)(4)]	None.	None.	None.
19	Performance tests shall be conducted and data reduced in accordance with the test methods and procedures contained in each applicable subpart unless the Administrator (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, (3) approves the use of an alternative method the results of which he has determined to be adequate for indicating whether a specific source is in compliance, (4) waives the requirement for performance tests because the owner or operator of a source has demonstrated by other means to the Administrator's satisfaction that the affected facility is in compliance with the standard, or (5) approves shorter sampling times and smaller sample volumes when necessitated by process variables or other factors. Nothing in this paragraph shall be construed to abrogate the Administrator's authority to require testing under section 114 of the Act. (NSPS Subpart A) [40 CFR 60.8(b)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
20	Performance tests shall be conducted under such conditions as the Administrator shall specify to the plant operator based on representative performance of the affected facility. The owner or operator shall make available to the Administrator such records as may be necessary to determine the conditions of the performance tests. Operations during periods of startup, shutdown, and malfunction shall not constitute representative conditions for the purpose of a performance test nor shall emissions in excess of the level of the applicable emission limit during periods of startup, shutdown, and malfunction be considered a violation of the applicable emission limit unless otherwise specified in the applicable standard. (NSPS Subpart A) [40 CFR 60.8(c)]	None.	None.	None.
21	The owner or operator of an affected facility shall provide the Administrator at least 30 days prior notice of any performance test, except as specified under other subparts, to afford the Administrator the opportunity to have an observer present. If after 30 days notice for an initially scheduled performance test, there is a delay (due to operational problems, etc.) in conducting the scheduled performance test, the owner or operator of an affected facility shall notify the Administrator (or delegated State or local agency) as soon as possible of any delay in the original test date, either by providing at least 7 days prior notice of the rescheduled date of the performance test, or by arranging a rescheduled date with the Administrator (or delegated State or local agency) by mutual agreement. (NSPS Subpart A) [40 CFR 60.8(d)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
22	The owner or operator of an affected facility shall provide, or cause to be provided, performance testing facilities as follows: (1) Sampling ports adequate for test methods applicable to such facility. This includes (i) constructing the air pollution control system such that volumetric flow rates and pollutant emission rates can be accurately determined by applicable test methods and procedures and (ii) providing a stack or duct free of cyclonic flow during performance tests, as demonstrated by applicable test methods and procedures. (2) Safe sampling platform(s). (3) Safe access to sampling platform(s). (4) Utilities for sampling and testing equipment. (NSPS Subpart A) [40 CFR 60.8(e)]	None.	None.	None.
23	Unless otherwise specified in the applicable subpart, each performance test shall consist of three separate runs using the applicable test method. Each run shall be conducted for the time and under the conditions specified in the applicable standard. For the purpose of determining compliance with an applicable standard, the arithmetic means of results of the three runs shall apply. In the event that a sample is accidentally lost or conditions occur in which one of the three runs must be discontinued because of forced shutdown, failure of an irreplaceable portion of the sample train, extreme meteorological conditions, or other circumstances, beyond the owner or operator's control, compliance may, upon the Administrator's approval, be determined using the arithmetic mean of the results of the two other runs. (NSPS Subpart A) [40 CFR 60.8(f)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
24	At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (NSPS Subpart A) [40 CFR 60.11(d)]	None.	None.	None.
25	No owner or operator shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. (NSPS Subpart A) [40 CFR 60.12]	None.	None.	None.
26	The owner or operator shall notify the Administrator of the proposed replacement of components. (NSPS Subpart A) [40 CFR 60.15]	None.	None.	Submit notification: At a common schedule agreed upon by the operator and the Administrator. The notification shall include information listed under 40 CFR Part 60.15(d). The notification shall be postmarked 60 days (or as soon as practicable) before construction of the replacements is commenced. [40 CFR 60.15(d)]
27	Changes in time periods for submittal of information and postmark deadlines set forth in this subpart, may be made only upon approval by the Administrator and shall follow procedures outlined in 40 CFR Part 60.19. (NSPS Subpart A) [40 CFR 60.19]	None.	None.	None.
28	Opacity <= 10 % (fugitive- all other affected facilities) (NSPS Subpart OOO). [40 CFR 60.672(b)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
29	<p>In determining compliance with the particulate matter standards in 40CFR 60.672(b) or 40 CFR 60.672(e)(1), the owner or operator shall use Method 9 of Appendix A-4 of this part and the procedures in 40 CFR 60.11, with the following additions:</p> <p>(i) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).</p> <p>(ii) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources ( e.g., road dust). The required observer position relative to the sun (Method 9 of Appendix A-4 of this part, Section 2.1) must be followed.</p> <p>(iii) For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible. (NSPS Subpart OOO) [40 CFR 60.675(c)(1)]</p>	None.	None.	None.
30	<p>When determining compliance with the fugitive emissions standard for any affected facility described under 40 CFR 60.672(b) or 40 CFR 60.672(e)(1) of this subpart, the duration of the Method 9 (40 CFR part 60, Appendix A-4) observations must be 30 minutes (five 6-minute averages). Compliance with the applicable fugitive emission limits in Table 3 of this subpart must be based on the average of the five 6-minute averages. (NSPS Subpart OOO) [40 CFR 60.675(c)(3)]</p>	None.	None.	None.



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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
31	For performance tests involving only Method 9 (40 CFR part 60 Appendix A-4) testing, the owner or operator may reduce the 30-day advance notification of performance test in 40 CFR 60.7(a)(6) and 60.8(d) to a 7-day advance notification. (NSPS Subpart OOO) [40 CFR 60.675(g)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U36 Blender/Packer System

Subject Item: CD26 Blender and Packer Dust Collector

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Pressure Drop Across the Baghouse $\geq 1$ and Pressure Drop Across the Baghouse $\leq 8$ inches w.c.. [N.J.A.C. 7:27-22.16(e)]	Pressure Drop Across the Baghouse: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily in a logbook or other electronic data management system. [N.J.A.C. 7:27-22.16(o)]	None.
2	The owner or operator shall inspect and maintain the baghouse on a schedule necessary to achieve the required particulate control efficiency as specified by the manufacturer. [N.J.A.C. 7:27-22.16(e)]	Monitored by visual determination at the manufacturer's specified frequency. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Record each inspection and maintenance event in a logbook or readily accessible computer memory. [N.J.A.C. 7:27-22.16(o)]	None.
3	Baghouse Control Efficiency $\geq 99\%$ . [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U36 Blender/Packer System

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of Applicable Federal Regulations: 40 CFR Part 60 Subpart A 40 CFR Part 60 Subpart OOO [None]	None.	None.	None.
2	<p><b>STACK TESTING SUMMARY</b></p> <p>The permittee shall conduct a stack test using a protocol approved by the Department to demonstrate compliance with emission limits for Particulate Matter as specified in the compliance plan for OS Summary.</p> <p>Testing must be conducted at worst-case permitted operating conditions with regard to meeting the applicable emission standards, but without creating an unsafe condition. [N.J.A.C. 7:27-22.16(a)]</p>	Other: The stack test must be conducted either within 60 days of the protocol approval or within 180 days after initial startup of the modified source, whichever comes later. [N.J.A.C. 7:27-22.18] and [N.J.A.C. 7:27-22.16(o)].	Other: Recordkeeping as required under the applicable operating scenario(s). [N.J.A.C. 7:27-22.16(o)].	<p>Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. Submit a stack test protocol to the Emission Measurement Section (EMS) at Mail Code: 09-01, PO Box 420, Trenton, NJ 08625 within 60 days from the date of the approved operating permit BOP190005. The protocol and test report must be prepared and submitted on a CD using the Electronic Reporting Tool (ERT), unless another format is approved by EMS. The ERT program can be downloaded at: <a href="http://www.epa.gov/ttnchie1/ert">http://www.epa.gov/ttnchie1/ert</a>. Within 30 days of protocol approval or no less than 60 days prior to the testing deadline, whichever is later, the permittee must contact EMS at 609-984-3443 to schedule a mutually acceptable test date.</p> <p>A full stack test report must be submitted to EMS and a certified summary test report must be submitted to the Regional Enforcement Office within 45 days after performing the stack test pursuant to N.J.A.C. 7:27-22.19(d). The test results must be certified by a licensed professional engineer or certified industrial hygienist. [N.J.A.C. 7:27-22.18(e)] and. [N.J.A.C. 7:27-22.18(h)]</p>
3	Particulate Emissions $\leq$ 0.77 lb/hr based on 0.02 grains per scf at 5,000 acfm and 110 degrees F. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.



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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	Opacity <= 20 % , exclusive of visible condensed water vapor, for a period of not longer than three (3) minutes in any consecutive 30-minute period including periods of startup and shutdown. [N.J.A.C. 7:27-6.2(d)] and. [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.
5	No Visible Emissions: Equipment shall not be used in a manner which will cause visible emissions, exclusive of condensed water vapor based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	TSP <= 2.17 tons/yr based on maximum hourly emission rate and 8760 hr/yr of operation. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	PM-10 (Total) <= 2.17 tons/yr based on maximum hourly emission rate and 8760 hr/yr of operation. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
8	Particulate Emissions <= 0.014 gr/dscf from Table 2 of NSPS Subpart OOO. [40 CFR 60.672(a)]	Particulate Emissions: Monitored by stack emission testing once initially, based on the average of three Department validated stack test runs. [N.J.A.C. 7:27-22.16(o)]	Particulate Emissions: Recordkeeping by stack test results upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Stack Test - Submit protocol, conduct test and submit results: As per the approved schedule. See the stack testing requirements in OS Summary for details. [N.J.A.C. 7:27-22.16(o)]
9	Raw material limited to gypsum rock, impurities, recycled gypsum products, and other ingredients necessary for the production of gypsum products. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by reviewing raw material delivery records per delivery.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain invoices, bills of lading and/or MSDS sheets for raw materials received.[N.J.A.C. 7:27-22.16(o)].	None.
10	Opacity <= 20 % , exclusive of condensed water vapor, for a period of not longer than three (3) minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] and. [N.J.A.C. 7:27- 6.2(e)]	Opacity: Monitored by visual determination each month during operation, based on an instantaneous determination. [N.J.A.C. 7:27-22.16(o)]	Opacity: Recordkeeping by manual logging of parameter upon occurrence of event on a permanently bound log book or readily available computer memory. [N.J.A.C. 7:27-22.16(o)]	None.
11	The subpart A requirement under 40 CFR 60.7(a)(1) for notification of the date construction or reconstruction commenced is waived for affected facilities under 40 CFR 60 Subpart OOO. (NSPS Subpart OOO) [40 CFR 60.676(h)]	None.	None.	None.



**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	Opacity <= 7 % (Stack). (NSPS Subpart OOO). [40 CFR 60.672(a)]	Opacity: Monitored by visual determination once initially. Method 9 of appendix A-4 of this part and the procedures in 40 CFR 60.11 shall be used to determine opacity. [40 CFR 60.675(b)(2)] In determining compliance with the particulate matter standards in 40CFR 60.672(b) or 40 CFR 60.672(e)(1), the owner or operator shall use Method 9 of Appendix A-4 of this part and the procedures in 40 CFR 60.11, with the following additions: (i) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet). (ii) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources ( e.g., road dust). The required observer position relative to the sun (Method 9 of Appendix A-4 of this part, Section 2.1) must be followed. [40 CFR 60.675(c)(1)]	Opacity: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event (in a logbook or other electronic data management system) and retain the following records: (1) Date and time of Method 9 opacity observation; (2) Emission unit and operating scenario number(s); (3) Operational status of the equipment; (4) Observed results and conclusions; (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and (8) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]	Submit a report: Within 60 days of stack testing. The permittee shall report to the Administrator the opacity results along with the results of the initial performance test required under §60.8. [40 CFR 60.11(e)(2)]
13	Opacity <= 7 % (fugitive emissions). Affected facilities must meet the fugitive emission limits and compliance requirements in Table 3 of this subpart within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup as required under §60.11. The requirements in Table 3 of this subpart apply for fugitive emissions from affected facilities without capture systems and for fugitive emissions escaping capture systems. [40 CFR 60.672(b)]	Other: Performance tests to determine compliance with the fugitive emission limits shall be conducted once initially and every 5 years thereafter. An initial performance test according to §60.11 of this part and §60.675 of this subpart; and a repeat performance test according to §60.11 of this part and §60.675 of this subpart within 5 years from the previous performance test for fugitive emissions from affected facilities without water sprays.[40 CFR 60.675(d)(1)].	Opacity: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event (in a logbook or other electronic data management system) and retain the following records: (1) Date and time of Method 9 opacity observation; (2) Emission unit and operating scenario number(s); (3) Operational status of the equipment; (4) Observed results and conclusions; (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and (8) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]	Submit a report: Within 60 days of stack testing. The permittee shall report to the Administrator the opacity results along with the results of the initial performance test required under §60.8. [40 CFR 60.11(e)(2)]



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

<b>Ref.#</b>	<b>Applicable Requirement</b>	<b>Monitoring Requirement</b>	<b>Recordkeeping Requirement</b>	<b>Submittal/Action Requirement</b>
14	When determining compliance with the fugitive emissions standard for any affected facility described under 40 CFR 60.672(b) or 40 CFR 60.672(e)(1) of this subpart, the duration of the Method 9 (40 CFR part 60, Appendix A-4) observations must be 30 minutes (five 6-minute averages). Compliance with the applicable fugitive emission limits in Table 3 of this subpart must be based on the average of the five 6-minute averages. (NSPS Subpart OOO) [40 CFR 60.675(c)(3)]	None.	None.	None.
15	For performance tests involving only Method 9 (40 CFR part 60 Appendix A-4) testing, the owner or operator may reduce the 30-day advance notification of performance test in 40 CFR 60.7(a)(6) and 60.8(d) to a 7-day advance notification. (NSPS Subpart OOO) [40 CFR 60.675(g)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U36 Blender/Packer System

Operating Scenario: OS1 Bag Packer - E43-CD26-PT36

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Maximum emission rate of TSP is below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	Total Material Transferred <= 20,000 lb/hr. Maximum throughput rate based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
3	Total Material Transferred <= 87,600 tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(e)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U36 Blender/Packer System

Operating Scenario: OS2 Bulk Plaster Blender and Weigher - E44-CD26-PT36

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Maximum emission rate of TSP, PM10 & PM2.5 are below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	Total Material Transferred <= 60,000 lb/hr. Maximum throughput rate based on equipment capacity. [N.J.A.C. 7:27-22.16(a)]	Total Material Transferred: Monitored by material feed/flow monitoring each hour during operation. [N.J.A.C. 7:27-22.16(o)]	Total Material Transferred: Recordkeeping by manual logging of parameter or storing data in a computer data system once per shift during operation. Record the following information and maintain all production records: 1. Date and amount of bagged plaster products. [N.J.A.C. 7:27-22.16(o)]	None.
3	Total Material Transferred <= 262,800 tons/yr based on maximum hourly process fill rate and 8760 hr/yr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by production records or bills of lading which shows the amount of finished products for delivery. [N.J.A.C. 7:27-22.16(o)].	Total Material Transferred: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Record the following information and maintain all production records: 1. Date and amount of bagged plaster products (tons). 2. Total amount of bagged products (tons) year to date. [N.J.A.C. 7:27-22.16(o)]	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U36 Blender/Packer System

Operating Scenario: OS3 #1 Rock Bin Transfer - 11 Belt - E45-CD26-PT36

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Maximum emission rate of TSP is below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	Total Material Transferred <= 280,000 lb/hr. Maximum throughput rate based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
3	Total Material Transferred: <=1,226,400 tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U36 Blender/Packer System

Operating Scenario: OS4 #2 Rock Bin Transfer - 11 Belt - E46-CD26-PT36

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Maximum emission rate of TSP is below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	Total Material Transferred <= 280,000 lb/hr. Maximum throughput rate based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
3	Total Material Transferred: <=1,226,400 tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U36 Blender/Packer System

Operating Scenario: OS5 Rock Transfer - 10 Belt to 11 Belt - E47-CD26-PT36

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Maximum emission rate of TSP is below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	Total Material Transferred <= 280,000 lb/hr. Maximum throughput rate based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
3	Total Material Transferred: <=1,226,400 tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U36 Blender/Packer System

Operating Scenario: OS6 Bag Packer - E102-CD26-PT36

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Maximum emission rate of TSP is below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	Total Material Transferred <= 20,000 lb/hr. [N.J.A.C. 7:27-22.16(e)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
3	Total Material Transferred <= 87,600 tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(e)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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Facility Specific Requirements**

Emission Unit: U36 Blender/Packer System

Operating Scenario: OS7 Supersac Loading

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The permittee shall not operate operating scenario OS7 Supersac Loading (E103) and operating scenario OS1 Bag Packer (E43) and Bag Packer 2 (E102) simultaneously. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	TSP <= 0.49 lb/hr based on NSPS Subpart OOO PM limit of 0.014 gr/dscf. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	PM-10 (Total) <= 0.49 lb/hr based on NSPS Subpart OOO PM limit of 0.014 gr/dscf. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Maximum emission rate for PM2.5 is below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Total Material Transferred <= 60,000 lb/hr based on equipment capacity. [N.J.A.C. 7:27-22.16(a)]	Total Material Transferred: Monitored by material feed/flow monitoring each hour during operation. [N.J.A.C. 7:27-22.16(o)]	Total Material Transferred: Recordkeeping by manual logging of parameter or storing data in a computer data system once per shift during operation. Record the following information and maintain all production records: 1. Date and amount of bagged plaster products. [N.J.A.C. 7:27-22.16(o)]	None.
6	Total Material Transferred <= 262,800 tons/yr based on maximum hourly process fill rate and 8760 hr/yr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by production records or bills of lading which shows the amount of finished products for delivery. [N.J.A.C. 7:27-22.16(o)].	Total Material Transferred: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Record the following information and maintain all production records: 1. Date and amount of bagged plaster products (tons). 2. Total amount of bagged products (tons) year to date. [N.J.A.C. 7:27-22.16(o)]	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Emission Unit:** U37 Landplaster Bin #4 (aka Board Plant Landplaster Bin)

**Operating Scenario:** OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No Visible Emissions: Equipment shall not be used in a manner which will cause visible emissions, exclusive of condensed water vapor based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	Maximum emission rate of TSP is below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	All particulate emissions from this emission unit shall be exhausted through a baghouse (CD27), which vents indoors. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Pressure Drop Across the Baghouse $\geq$ 1 and Pressure Drop Across the Baghouse $\leq$ 8 inches w.c.. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop Across the Baghouse: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily in a logbook or other electronic data management system. [N.J.A.C. 7:27-22.16(o)]	None.
5	The owner or operator shall inspect and maintain the baghouse on a schedule necessary to achieve the required particulate control efficiency as specified by the manufacturer. [N.J.A.C. 7:27-22.16(e)]	Monitored by visual determination at the manufacturer's specified frequency. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Record each inspection and maintenance event in a logbook or readily accessible computer memory. [N.J.A.C. 7:27-22.16(o)]	None.
6	Raw material limited to gypsum rock, impurities, recycled gypsum products, and other ingredients necessary for the production of gypsum products. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by reviewing raw material delivery records per delivery.[N.J.A.C. 7:27-22.16(e)].	Other: Maintain invoices, bills of lading, and/or MSDS sheets for raw materials received.[N.J.A.C. 7:27-22.16(o)].	None.



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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	Total Material Transferred <= 50,000 lb/hr. Maximum throughput rate based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
8	Total Material Transferred <= 219,000 tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
9	All requests, reports, applications, submittal, and other communications required by 40 CFR 60 shall be submitted in duplicate to the EPA Region II Administrator: United States Environmental Protection Agency, Region II Air Compliance Branch 290 Broadway New York, NY 10007-1866. (NSPS Subpart A) [40 CFR 60.4(a)]	None.	None.	Submit a report: As per the approved schedule to EPA Region II as required by 40 CFR 60. [40 CFR 60.4(a)]
10	Submit copies of all requests, reports, applications, submittals, and other communications required by 40 CFR 60 to the NJDEP Central Regional Enforcement Office. (NSPS Subpart A) [40 CFR 60.4(b)]	None.	None.	Submit a report: As per the approved schedule to the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60. [40 CFR 60.4(b)]
11	The subpart A requirement under 40 CFR 60.7(a)(1) for notification of the date construction or reconstruction commenced is waived for affected facilities under 40 CFR 60 Subpart OOO. (NSPS Subpart OOO) [40 CFR 60.676(h)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	Submit a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 40 CFR 60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional relevant information subsequent to this notice. (NSPS Subpart A) [40 CFR 60.7(a)(4)]	None.	None.	Submit notification: Prior to occurrence of event (60 days or as soon as practicable before change is commenced). [40 CFR 60.a(4)]
13	Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (NSPS Subpart A) [40 CFR 60.7(b)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Maintain readily accessible records of the occurrence and duration of any startup, shutdown, or malfunction in a logbook. [40 CFR 60.7(b)]	None.
14	Except as specified in paragraphs (a)(1),(a)(2), (a)(3), and (a)(4) of Section 40 CFR 60.8, within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility, or at such other times specified by this part, and at such other times as may be required by the Administrator under section 114 of the Act, the owner or operator of such facility shall conduct performance test(s) and furnish the Administrator a written report of the results of such performance test(s). (NSPS Subpart A) [40 CFR 60.8(a)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
15	If a force majeure is about to occur, occurs, or has occurred for which the affected owner or operator intends to assert a claim of force majeure, the owner or operator shall notify the Administrator, in writing as soon as practicable following the date the owner or operator first knew, or through due diligence should have known that the event may cause or caused a delay in testing beyond the regulatory deadline, but the notification must occur before the performance test deadline unless the initial force majeure or a subsequent force majeure event delays the notice, and in such cases, the notification shall occur as soon as practicable. (NSPS Subpart A) [40 CFR 60.8(a)(1)]	None.	None.	None.
16	The owner or operator shall provide to the Administrator a written description of the force majeure event and a rationale for attributing the delay in testing beyond the regulatory deadline to the force majeure; describe the measures taken or to be taken to minimize the delay; and identify a date by which the owner or operator proposes to conduct the performance test. The performance test shall be conducted as soon as practicable after the force majeure occurs. (NSPS Subpart A) [40 CFR 60.8(a)(2)]	None.	None.	None.
17	The decision as to whether or not to grant an extension to the performance test deadline is solely within the discretion of the Administrator. The Administrator will notify the owner or operator in writing of approval or disapproval of the request for an extension as soon as practicable. (NSPS Subpart A) [40 CFR 60.8(a)(3)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
18	Until an extension of the performance test deadline has been approved by the Administrator under paragraphs (a)(1), (2), and (3) of Section 40 CFR 60.8, the owner or operator of the affected facility remains strictly subject to the requirements of this part. (NSPS Subpart A) [40 CFR 60.8(a)(4)]	None.	None.	None.
19	Performance tests shall be conducted and data reduced in accordance with the test methods and procedures contained in each applicable subpart unless the Administrator (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, (3) approves the use of an alternative method the results of which he has determined to be adequate for indicating whether a specific source is in compliance, (4) waives the requirement for performance tests because the owner or operator of a source has demonstrated by other means to the Administrator's satisfaction that the affected facility is in compliance with the standard, or (5) approves shorter sampling times and smaller sample volumes when necessitated by process variables or other factors. Nothing in this paragraph shall be construed to abrogate the Administrator's authority to require testing under section 114 of the Act. (NSPS Subpart A) [40 CFR 60.8(b)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
20	Performance tests shall be conducted under such conditions as the Administrator shall specify to the plant operator based on representative performance of the affected facility. The owner or operator shall make available to the Administrator such records as may be necessary to determine the conditions of the performance tests. Operations during periods of startup, shutdown, and malfunction shall not constitute representative conditions for the purpose of a performance test nor shall emissions in excess of the level of the applicable emission limit during periods of startup, shutdown, and malfunction be considered a violation of the applicable emission limit unless otherwise specified in the applicable standard. (NSPS Subpart A) [40 CFR 60.8(c)]	None.	None.	None.
21	The owner or operator of an affected facility shall provide the Administrator at least 30 days prior notice of any performance test, except as specified under other subparts, to afford the Administrator the opportunity to have an observer present. If after 30 days notice for an initially scheduled performance test, there is a delay (due to operational problems, etc.) in conducting the scheduled performance test, the owner or operator of an affected facility shall notify the Administrator (or delegated State or local agency) as soon as possible of any delay in the original test date, either by providing at least 7 days prior notice of the rescheduled date of the performance test, or by arranging a rescheduled date with the Administrator (or delegated State or local agency) by mutual agreement. (NSPS Subpart A) [40 CFR 60.8(d)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
22	The owner or operator of an affected facility shall provide, or cause to be provided, performance testing facilities as follows: (1) Sampling ports adequate for test methods applicable to such facility. This includes (i) constructing the air pollution control system such that volumetric flow rates and pollutant emission rates can be accurately determined by applicable test methods and procedures and (ii) providing a stack or duct free of cyclonic flow during performance tests, as demonstrated by applicable test methods and procedures. (2) Safe sampling platform(s). (3) Safe access to sampling platform(s). (4) Utilities for sampling and testing equipment. (NSPS Subpart A) [40 CFR 60.8(e)]	None.	None.	None.
23	Unless otherwise specified in the applicable subpart, each performance test shall consist of three separate runs using the applicable test method. Each run shall be conducted for the time and under the conditions specified in the applicable standard. For the purpose of determining compliance with an applicable standard, the arithmetic means of results of the three runs shall apply. In the event that a sample is accidentally lost or conditions occur in which one of the three runs must be discontinued because of forced shutdown, failure of an irreplaceable portion of the sample train, extreme meteorological conditions, or other circumstances, beyond the owner or operator's control, compliance may, upon the Administrator's approval, be determined using the arithmetic mean of the results of the two other runs. (NSPS Subpart A) [40 CFR 60.8(f)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
24	At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (NSPS Subpart A) [40 CFR 60.11(d)]	None.	None.	None.
25	No owner or operator shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. (NSPS Subpart A) [40 CFR 60.12]	None.	None.	None.
26	The owner or operator shall notify the Administrator of the proposed replacement of components. (NSPS Subpart A) [40 CFR 60.15]	None.	None.	Submit notification: At a common schedule agreed upon by the operator and the Administrator. The notification shall include information listed under 40 CFR Part 60.15(d). The notification shall be postmarked 60 days (or as soon as practicable) before construction of the replacements is commenced. [40 CFR 60.15(d)]
27	Changes in time periods for submittal of information and postmark deadlines set forth in this subpart, may be made only upon approval by the Administrator and shall follow procedures outlined in 40 CFR Part 60.19. (NSPS Subpart A) [40 CFR 60.19]	None.	None.	None.
28	Opacity <= 10 % (fugitive- all other affected facilities) (NSPS Subpart OOO). [40 CFR 60.672(b)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
29	<p>In determining compliance with the particulate matter standards in 40CFR 60.672(b) or 40 CFR 60.672(e)(1), the owner or operator shall use Method 9 of Appendix A-4 of this part and the procedures in 40 CFR 60.11, with the following additions:</p> <p>(i) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).</p> <p>(ii) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources ( e.g., road dust). The required observer position relative to the sun (Method 9 of Appendix A-4 of this part, Section 2.1) must be followed.</p> <p>(iii) For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible. (NSPS Subpart OOO) [40 CFR 60.675(c)(1)]</p>	None.	None.	None.
30	<p>When determining compliance with the fugitive emissions standard for any affected facility described under 40 CFR 60.672(b) or 40 CFR 60.672(e)(1) of this subpart, the duration of the Method 9 (40 CFR part 60, Appendix A-4) observations must be 30 minutes (five 6-minute averages). Compliance with the applicable fugitive emission limits in Table 3 of this subpart must be based on the average of the five 6-minute averages. (NSPS Subpart OOO) [40 CFR 60.675(c)(3)]</p>	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
31	For performance tests involving only Method 9 (40 CFR part 60 Appendix A-4) testing, the owner or operator may reduce the 30-day advance notification of performance test in 40 CFR 60.7(a)(6) and 60.8(d) to a 7-day advance notification. (NSPS Subpart OOO) [40 CFR 60.675(g)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U38 Impact Mill

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No Visible Emissions: Equipment shall not be used in a manner which will cause visible emissions, exclusive of condensed water vapor based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	Maximum emission rate of TSP is below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	All particulate emissions from this emission unit shall be exhausted through a baghouse (CD28), which vents indoors. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Pressure Drop Across the Baghouse $\geq$ 0.5 and Pressure Drop Across the Baghouse $\leq$ 15 inches w.c.. [N.J.A.C. 7:27-22.16(e)]	Pressure Drop Across the Baghouse: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily in a logbook or other electronic data management system. [N.J.A.C. 7:27-22.16(o)]	None.
5	The owner or operator shall inspect and maintain the baghouse on a schedule necessary to achieve the required particulate control efficiency as specified by the manufacturer. [N.J.A.C. 7:27-22.16(e)]	Monitored by visual determination at the manufacturer's specified frequency. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Record each inspection and maintenance event in a logbook or readily accessible computer memory. [N.J.A.C. 7:27-22.16(o)]	None.
6	Raw material limited to gypsum rock, impurities, recycled gypsum products, and other ingredients necessary for the production of gypsum products. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by reviewing raw material delivery records per delivery.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain invoices, bills of lading, and/or MSDS sheets for raw materials received.[N.J.A.C. 7:27-22.16(o)].	None.



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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	All requests, reports, applications, submittal, and other communications required by 40 CFR 60 shall be submitted in duplicate to the EPA Region II Administrator: United States Environmental Protection Agency, Region II Air Compliance Branch 290 Broadway New York, NY 10007-1866. (NSPS Subpart A) [40 CFR 60.4(a)]	None.	None.	Submit a report: As per the approved schedule to EPA Region II as required by 40 CFR 60. [40 CFR 60.4(a)]
8	Submit copies of all requests, reports, applications, submittals, and other communications required by 40 CFR 60 to the NJDEP Central Regional Enforcement Office. (NSPS Subpart A) [40 CFR 60.4(b)]	None.	None.	Submit a report: As per the approved schedule to the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60. [40 CFR 60.4(b)]
9	The subpart A requirement under 40 CFR 60.7(a)(1) for notification of the date construction or reconstruction commenced is waived for affected facilities under 40 CFR 60 Subpart OOO. (NSPS Subpart OOO) [40 CFR 60.676(h)]	None.	None.	None.
10	Submit a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 40 CFR 60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional relevant information subsequent to this notice. (NSPS Subpart A) [40 CFR 60.7(a)(4)]	None.	None.	Submit notification: Prior to occurrence of event (60 days or as soon as practicable before change is commenced). [40 CFR 60.a(4)]



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (NSPS Subpart A) [40 CFR 60.7(b)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Maintain readily accessible records of the occurrence and duration of any startup, shutdown, or malfunction in a logbook. [40 CFR 60.7(b)]	None.
12	Except as specified in paragraphs (a)(1),(a)(2), (a)(3), and (a)(4) of Section 40 CFR 60.8, within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility, or at such other times specified by this part, and at such other times as may be required by the Administrator under section 114 of the Act, the owner or operator of such facility shall conduct performance test(s) and furnish the Administrator a written report of the results of such performance test(s). (NSPS Subpart A) [40 CFR 60.8(a)]	None.	None.	None.
13	If a force majeure is about to occur, occurs, or has occurred for which the affected owner or operator intends to assert a claim of force majeure, the owner or operator shall notify the Administrator, in writing as soon as practicable following the date the owner or operator first knew, or through due diligence should have known that the event may cause or caused a delay in testing beyond the regulatory deadline, but the notification must occur before the performance test deadline unless the initial force majeure or a subsequent force majeure event delays the notice, and in such cases, the notification shall occur as soon as practicable. (NSPS Subpart A) [40 CFR 60.8(a)(1)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

<b>Ref.#</b>	<b>Applicable Requirement</b>	<b>Monitoring Requirement</b>	<b>Recordkeeping Requirement</b>	<b>Submittal/Action Requirement</b>
14	The owner or operator shall provide to the Administrator a written description of the force majeure event and a rationale for attributing the delay in testing beyond the regulatory deadline to the force majeure; describe the measures taken or to be taken to minimize the delay; and identify a date by which the owner or operator proposes to conduct the performance test. The performance test shall be conducted as soon as practicable after the force majeure occurs. (NSPS Subpart A) [40 CFR 60.8(a)(2)]	None.	None.	None.
15	The decision as to whether or not to grant an extension to the performance test deadline is solely within the discretion of the Administrator. The Administrator will notify the owner or operator in writing of approval or disapproval of the request for an extension as soon as practicable. (NSPS Subpart A) [40 CFR 60.8(a)(3)]	None.	None.	None.
16	Until an extension of the performance test deadline has been approved by the Administrator under paragraphs (a)(1), (2), and (3) of Section 40 CFR 60.8, the owner or operator of the affected facility remains strictly subject to the requirements of this part. (NSPS Subpart A) [40 CFR 60.8(a)(4)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

<b>Ref.#</b>	<b>Applicable Requirement</b>	<b>Monitoring Requirement</b>	<b>Recordkeeping Requirement</b>	<b>Submittal/Action Requirement</b>
17	Performance tests shall be conducted and data reduced in accordance with the test methods and procedures contained in each applicable subpart unless the Administrator (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, (3) approves the use of an alternative method the results of which he has determined to be adequate for indicating whether a specific source is in compliance, (4) waives the requirement for performance tests because the owner or operator of a source has demonstrated by other means to the Administrator's satisfaction that the affected facility is in compliance with the standard, or (5) approves shorter sampling times and smaller sample volumes when necessitated by process variables or other factors. Nothing in this paragraph shall be construed to abrogate the Administrator's authority to require testing under section 114 of the Act. (NSPS Subpart A) [40 CFR 60.8(b)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
18	Performance tests shall be conducted under such conditions as the Administrator shall specify to the plant operator based on representative performance of the affected facility. The owner or operator shall make available to the Administrator such records as may be necessary to determine the conditions of the performance tests. Operations during periods of startup, shutdown, and malfunction shall not constitute representative conditions for the purpose of a performance test nor shall emissions in excess of the level of the applicable emission limit during periods of startup, shutdown, and malfunction be considered a violation of the applicable emission limit unless otherwise specified in the applicable standard. (NSPS Subpart A) [40 CFR 60.8(c)]	None.	None.	None.
19	The owner or operator of an affected facility shall provide the Administrator at least 30 days prior notice of any performance test, except as specified under other subparts, to afford the Administrator the opportunity to have an observer present. If after 30 days notice for an initially scheduled performance test, there is a delay (due to operational problems, etc.) in conducting the scheduled performance test, the owner or operator of an affected facility shall notify the Administrator (or delegated State or local agency) as soon as possible of any delay in the original test date, either by providing at least 7 days prior notice of the rescheduled date of the performance test, or by arranging a rescheduled date with the Administrator (or delegated State or local agency) by mutual agreement. (NSPS Subpart A) [40 CFR 60.8(d)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
20	The owner or operator of an affected facility shall provide, or cause to be provided, performance testing facilities as follows: (1) Sampling ports adequate for test methods applicable to such facility. This includes (i) constructing the air pollution control system such that volumetric flow rates and pollutant emission rates can be accurately determined by applicable test methods and procedures and (ii) providing a stack or duct free of cyclonic flow during performance tests, as demonstrated by applicable test methods and procedures. (2) Safe sampling platform(s). (3) Safe access to sampling platform(s). (4) Utilities for sampling and testing equipment. (NSPS Subpart A) [40 CFR 60.8(e)]	None.	None.	None.
21	Unless otherwise specified in the applicable subpart, each performance test shall consist of three separate runs using the applicable test method. Each run shall be conducted for the time and under the conditions specified in the applicable standard. For the purpose of determining compliance with an applicable standard, the arithmetic means of results of the three runs shall apply. In the event that a sample is accidentally lost or conditions occur in which one of the three runs must be discontinued because of forced shutdown, failure of an irreplaceable portion of the sample train, extreme meteorological conditions, or other circumstances, beyond the owner or operator's control, compliance may, upon the Administrator's approval, be determined using the arithmetic mean of the results of the two other runs. (NSPS Subpart A) [40 CFR 60.8(f)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
22	At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (NSPS Subpart A) [40 CFR 60.11(d)]	None.	None.	None.
23	No owner or operator shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. (NSPS Subpart A) [40 CFR 60.12]	None.	None.	None.
24	The owner or operator shall notify the Administrator of the proposed replacement of components. (NSPS Subpart A) [40 CFR 60.15]	None.	None.	Submit notification: At a common schedule agreed upon by the operator and the Administrator. The notification shall include information listed under 40 CFR Part 60.15(d). The notification shall be postmarked 60 days (or as soon as practicable) before construction of the replacements is commenced. [40 CFR 60.15(d)]
25	Changes in time periods for submittal of information and postmark deadlines set forth in this subpart, may be made only upon approval by the Administrator and shall follow procedures outlined in 40 CFR Part 60.19. (NSPS Subpart A) [40 CFR 60.19]	None.	None.	None.
26	Opacity <= 10 % (fugitive- all other affected facilities) (NSPS Subpart OOO). [40 CFR 60.672(b)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
27	<p>In determining compliance with the particulate matter standards in 40CFR 60.672(b) or 40 CFR 60.672(e)(1), the owner or operator shall use Method 9 of Appendix A-4 of this part and the procedures in 40 CFR 60.11, with the following additions:</p> <p>(i) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).</p> <p>(ii) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources ( e.g., road dust). The required observer position relative to the sun (Method 9 of Appendix A-4 of this part, Section 2.1) must be followed.</p> <p>(iii) For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible. (NSPS Subpart OOO) [40 CFR 60.675(c)(1)]</p>	None.	None.	None.
28	<p>When determining compliance with the fugitive emissions standard for any affected facility described under 40 CFR 60.672(b) or 40 CFR 60.672(e)(1) of this subpart, the duration of the Method 9 (40 CFR part 60, Appendix A-4) observations must be 30 minutes (five 6-minute averages). Compliance with the applicable fugitive emission limits in Table 3 of this subpart must be based on the average of the five 6-minute averages. (NSPS Subpart OOO) [40 CFR 60.675(c)(3)]</p>	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

<b>Ref.#</b>	<b>Applicable Requirement</b>	<b>Monitoring Requirement</b>	<b>Recordkeeping Requirement</b>	<b>Submittal/Action Requirement</b>
29	For performance tests involving only Method 9 (40 CFR part 60 Appendix A-4) testing, the owner or operator may reduce the 30-day advance notification of performance test in 40 CFR 60.7(a)(6) and 60.8(d) to a 7-day advance notification. (NSPS Subpart OOO) [40 CFR 60.675(g)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Emission Unit:** U38 Impact Mill**Operating Scenario:** OS1 Impact Mill #1, OS2 Impact Mill #2

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Total Material Transferred <= 50,000 lb/hr. Maximum throughput rate based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
2	Total Material Transferred <= 219,000 tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Emission Unit:** U38 Impact Mill**Operating Scenario:** OS3 Moulding Plaster Bin Elevator - E61-CD31 (venting indoors)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Total Material Transferred <= 40,000 lb/hr. Maximum throughput rate based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
2	Total Material Transferred <= 175,200 tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U39 Impact Mill Screen

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No Visible Emissions: Equipment shall not be used in a manner which will cause visible emissions, exclusive of condensed water vapor based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	Maximum emission rate of TSP is below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	All particulate emissions from this emission unit shall be exhausted through a baghouse (CD29), which vents indoors. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Pressure Drop Across the Baghouse $\geq 1$ and Pressure Drop Across the Baghouse $\leq 8$ inches w.c.. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop Across the Baghouse: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily in a logbook or other electronic data management system. [N.J.A.C. 7:27-22.16(o)]	None.
5	The owner or operator shall inspect and maintain the baghouse on a schedule necessary to achieve the required particulate control efficiency as specified by the manufacturer. [N.J.A.C. 7:27-22.16(e)]	Monitored by visual determination at the manufacturer's specified frequency. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Record each inspection and maintenance event in a logbook or readily accessible computer memory. [N.J.A.C. 7:27-22.16(o)]	None.
6	Raw material limited to gypsum rock, impurities, recycled gypsum products, and other ingredients necessary for the production of gypsum products. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by reviewing raw material delivery records per delivery. [N.J.A.C. 7:27-22.16(o)].	Other: Maintain invoices, bills of lading, and/or MSDS sheets for raw materials received. [N.J.A.C. 7:27-22.16(o)].	None.



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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	Total Material Transferred <= 50,000 lb/hr. Maximum throughput rate based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
8	Total Material Transferred <= 219,000 tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
9	All requests, reports, applications, submittal, and other communications required by 40 CFR 60 shall be submitted in duplicate to the EPA Region II Administrator: United States Environmental Protection Agency, Region II Air Compliance Branch 290 Broadway New York, NY 10007-1866. (NSPS Subpart A) [40 CFR 60.4(a)]	None.	None.	Submit a report: As per the approved schedule to EPA Region II as required by 40 CFR 60. [40 CFR 60.4(a)]
10	Submit copies of all requests, reports, applications, submittals, and other communications required by 40 CFR 60 to the NJDEP Central Regional Enforcement Office. (NSPS Subpart A) [40 CFR 60.4(b)]	None.	None.	Submit a report: As per the approved schedule to the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60. [40 CFR 60.4(b)]
11	The subpart A requirement under 40 CFR 60.7(a)(1) for notification of the date construction or reconstruction commenced is waived for affected facilities under 40 CFR 60 Subpart OOO. (NSPS Subpart OOO) [40 CFR 60.676(h)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	Submit a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 40 CFR 60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional relevant information subsequent to this notice. (NSPS Subpart A) [40 CFR 60.7(a)(4)]	None.	None.	Submit notification: Prior to occurrence of event (60 days or as soon as practicable before change is commenced). [40 CFR 60.a(4)]
13	Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (NSPS Subpart A) [40 CFR 60.7(b)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Maintain readily accessible records of the occurrence and duration of any startup, shutdown, or malfunction in a logbook. [40 CFR 60.7(b)]	None.
14	Except as specified in paragraphs (a)(1),(a)(2), (a)(3), and (a)(4) of Section 40 CFR 60.8, within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility, or at such other times specified by this part, and at such other times as may be required by the Administrator under section 114 of the Act, the owner or operator of such facility shall conduct performance test(s) and furnish the Administrator a written report of the results of such performance test(s). (NSPS Subpart A) [40 CFR 60.8(a)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
15	If a force majeure is about to occur, occurs, or has occurred for which the affected owner or operator intends to assert a claim of force majeure, the owner or operator shall notify the Administrator, in writing as soon as practicable following the date the owner or operator first knew, or through due diligence should have known that the event may cause or caused a delay in testing beyond the regulatory deadline, but the notification must occur before the performance test deadline unless the initial force majeure or a subsequent force majeure event delays the notice, and in such cases, the notification shall occur as soon as practicable. (NSPS Subpart A) [40 CFR 60.8(a)(1)]	None.	None.	None.
16	The owner or operator shall provide to the Administrator a written description of the force majeure event and a rationale for attributing the delay in testing beyond the regulatory deadline to the force majeure; describe the measures taken or to be taken to minimize the delay; and identify a date by which the owner or operator proposes to conduct the performance test. The performance test shall be conducted as soon as practicable after the force majeure occurs. (NSPS Subpart A) [40 CFR 60.8(a)(2)]	None.	None.	None.
17	The decision as to whether or not to grant an extension to the performance test deadline is solely within the discretion of the Administrator. The Administrator will notify the owner or operator in writing of approval or disapproval of the request for an extension as soon as practicable. (NSPS Subpart A) [40 CFR 60.8(a)(3)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
18	Until an extension of the performance test deadline has been approved by the Administrator under paragraphs (a)(1), (2), and (3) of Section 40 CFR 60.8, the owner or operator of the affected facility remains strictly subject to the requirements of this part. (NSPS Subpart A) [40 CFR 60.8(a)(4)]	None.	None.	None.
19	Performance tests shall be conducted and data reduced in accordance with the test methods and procedures contained in each applicable subpart unless the Administrator (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, (3) approves the use of an alternative method the results of which he has determined to be adequate for indicating whether a specific source is in compliance, (4) waives the requirement for performance tests because the owner or operator of a source has demonstrated by other means to the Administrator's satisfaction that the affected facility is in compliance with the standard, or (5) approves shorter sampling times and smaller sample volumes when necessitated by process variables or other factors. Nothing in this paragraph shall be construed to abrogate the Administrator's authority to require testing under section 114 of the Act. (NSPS Subpart A) [40 CFR 60.8(b)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
20	Performance tests shall be conducted under such conditions as the Administrator shall specify to the plant operator based on representative performance of the affected facility. The owner or operator shall make available to the Administrator such records as may be necessary to determine the conditions of the performance tests. Operations during periods of startup, shutdown, and malfunction shall not constitute representative conditions for the purpose of a performance test nor shall emissions in excess of the level of the applicable emission limit during periods of startup, shutdown, and malfunction be considered a violation of the applicable emission limit unless otherwise specified in the applicable standard. (NSPS Subpart A) [40 CFR 60.8(c)]	None.	None.	None.
21	The owner or operator of an affected facility shall provide the Administrator at least 30 days prior notice of any performance test, except as specified under other subparts, to afford the Administrator the opportunity to have an observer present. If after 30 days notice for an initially scheduled performance test, there is a delay (due to operational problems, etc.) in conducting the scheduled performance test, the owner or operator of an affected facility shall notify the Administrator (or delegated State or local agency) as soon as possible of any delay in the original test date, either by providing at least 7 days prior notice of the rescheduled date of the performance test, or by arranging a rescheduled date with the Administrator (or delegated State or local agency) by mutual agreement. (NSPS Subpart A) [40 CFR 60.8(d)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
22	The owner or operator of an affected facility shall provide, or cause to be provided, performance testing facilities as follows: (1) Sampling ports adequate for test methods applicable to such facility. This includes (i) constructing the air pollution control system such that volumetric flow rates and pollutant emission rates can be accurately determined by applicable test methods and procedures and (ii) providing a stack or duct free of cyclonic flow during performance tests, as demonstrated by applicable test methods and procedures. (2) Safe sampling platform(s). (3) Safe access to sampling platform(s). (4) Utilities for sampling and testing equipment. (NSPS Subpart A) [40 CFR 60.8(e)]	None.	None.	None.
23	Unless otherwise specified in the applicable subpart, each performance test shall consist of three separate runs using the applicable test method. Each run shall be conducted for the time and under the conditions specified in the applicable standard. For the purpose of determining compliance with an applicable standard, the arithmetic means of results of the three runs shall apply. In the event that a sample is accidentally lost or conditions occur in which one of the three runs must be discontinued because of forced shutdown, failure of an irreplaceable portion of the sample train, extreme meteorological conditions, or other circumstances, beyond the owner or operator's control, compliance may, upon the Administrator's approval, be determined using the arithmetic mean of the results of the two other runs. (NSPS Subpart A) [40 CFR 60.8(f)]	None.	None.	None.



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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
24	At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (NSPS Subpart A) [40 CFR 60.11(d)]	None.	None.	None.
25	No owner or operator shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. (NSPS Subpart A) [40 CFR 60.12]	None.	None.	None.
26	The owner or operator shall notify the Administrator of the proposed replacement of components. (NSPS Subpart A) [40 CFR 60.15]	None.	None.	Submit notification: At a common schedule agreed upon by the operator and the Administrator. The notification shall include information listed under 40 CFR Part 60.15(d). The notification shall be postmarked 60 days (or as soon as practicable) before construction of the replacements is commenced. [40 CFR 60.15(d)]
27	Changes in time periods for submittal of information and postmark deadlines set forth in this subpart, may be made only upon approval by the Administrator and shall follow procedures outlined in 40 CFR Part 60.19. (NSPS Subpart A) [40 CFR 60.19]	None.	None.	None.
28	Opacity <= 10 % (fugitive- all other affected facilities) (NSPS Subpart OOO). [40 CFR 60.672(b)]	None.	None.	None.



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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
29	<p>In determining compliance with the particulate matter standards in 40CFR 60.672(b) or 40 CFR 60.672(e)(1), the owner or operator shall use Method 9 of Appendix A-4 of this part and the procedures in 40 CFR 60.11, with the following additions:</p> <p>(i) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).</p> <p>(ii) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources ( e.g., road dust). The required observer position relative to the sun (Method 9 of Appendix A-4 of this part, Section 2.1) must be followed.</p> <p>(iii) For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible. (NSPS Subpart OOO) [40 CFR 60.675(c)(1)]</p>	None.	None.	None.
30	<p>When determining compliance with the fugitive emissions standard for any affected facility described under 40 CFR 60.672(b) or 40 CFR 60.672(e)(1) of this subpart, the duration of the Method 9 (40 CFR part 60, Appendix A-4) observations must be 30 minutes (five 6-minute averages). Compliance with the applicable fugitive emission limits in Table 3 of this subpart must be based on the average of the five 6-minute averages. (NSPS Subpart OOO) [40 CFR 60.675(c)(3)]</p>	None.	None.	None.



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Facility Specific Requirements**

<b>Ref.#</b>	<b>Applicable Requirement</b>	<b>Monitoring Requirement</b>	<b>Recordkeeping Requirement</b>	<b>Submittal/Action Requirement</b>
31	For performance tests involving only Method 9 (40 CFR part 60 Appendix A-4) testing, the owner or operator may reduce the 30-day advance notification of performance test in 40 CFR 60.7(a)(6) and 60.8(d) to a 7-day advance notification. (NSPS Subpart OOO) [40 CFR 60.675(g)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U40 Stucco Reserve Bin #2

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No Visible Emissions: Equipment shall not be used in a manner which will cause visible emissions, exclusive of condensed water vapor based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	Maximum emission rate of TSP is below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	All particulate emissions from this emission unit shall be exhausted through a baghouse (CD30), which vents indoors. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Pressure Drop Across the Baghouse $\geq$ 1 and Pressure Drop Across the Baghouse $\leq$ 8 inches w.c.. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop Across the Baghouse: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily in a logbook or other electronic data management system. [N.J.A.C. 7:27-22.16(o)]	None.
5	The owner or operator shall inspect and maintain the baghouse on a schedule necessary to achieve the required particulate control efficiency as specified by the manufacturer. [N.J.A.C. 7:27-22.16(e)]	Monitored by visual determination at the manufacturer's specified frequency. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Record each inspection and maintenance event in a logbook or readily accessible computer memory. [N.J.A.C. 7:27-22.16(o)]	None.
6	Raw material limited to gypsum rock, impurities, recycled gypsum products, and other ingredients necessary for the production of gypsum products. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by reviewing raw material delivery records per delivery.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain invoices, bills of lading, and/or MSDS sheets for raw materials received.[N.J.A.C. 7:27-22.16(o)].	None.



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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	Total Material Transferred <= 120,000 lb/hr. Maximum throughput rate based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
8	Total Material Transferred <= 525,600 tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
9	All requests, reports, applications, submittal, and other communications required by 40 CFR 60 shall be submitted in duplicate to the EPA Region II Administrator: United States Environmental Protection Agency, Region II Air Compliance Branch 290 Broadway New York, NY 10007-1866. (NSPS Subpart A) [40 CFR 60.4(a)]	None.	None.	Submit a report: As per the approved schedule to EPA Region II as required by 40 CFR 60. [40 CFR 60.4(a)]
10	Submit copies of all requests, reports, applications, submittals, and other communications required by 40 CFR 60 to the NJDEP Central Regional Enforcement Office. (NSPS Subpart A) [40 CFR 60.4(b)]	None.	None.	Submit a report: As per the approved schedule to the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60. [40 CFR 60.4(b)]
11	The subpart A requirement under 40 CFR 60.7(a)(1) for notification of the date construction or reconstruction commenced is waived for affected facilities under 40 CFR 60 Subpart OOO. (NSPS Subpart OOO) [40 CFR 60.676(h)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
12	Submit a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 40 CFR 60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional relevant information subsequent to this notice. (NSPS Subpart A) [40 CFR 60.7(a)(4)]	None.	None.	Submit notification: Prior to occurrence of event (60 days or as soon as practicable before change is commenced). [40 CFR 60.a(4)]
13	Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (NSPS Subpart A) [40 CFR 60.7(b)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Maintain readily accessible records of the occurrence and duration of any startup, shutdown, or malfunction in a logbook. [40 CFR 60.7(b)]	None.
14	Except as specified in paragraphs (a)(1),(a)(2), (a)(3), and (a)(4) of Section 40 CFR 60.8, within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility, or at such other times specified by this part, and at such other times as may be required by the Administrator under section 114 of the Act, the owner or operator of such facility shall conduct performance test(s) and furnish the Administrator a written report of the results of such performance test(s). (NSPS Subpart A) [40 CFR 60.8(a)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
15	If a force majeure is about to occur, occurs, or has occurred for which the affected owner or operator intends to assert a claim of force majeure, the owner or operator shall notify the Administrator, in writing as soon as practicable following the date the owner or operator first knew, or through due diligence should have known that the event may cause or caused a delay in testing beyond the regulatory deadline, but the notification must occur before the performance test deadline unless the initial force majeure or a subsequent force majeure event delays the notice, and in such cases, the notification shall occur as soon as practicable. (NSPS Subpart A) [40 CFR 60.8(a)(1)]	None.	None.	None.
16	The owner or operator shall provide to the Administrator a written description of the force majeure event and a rationale for attributing the delay in testing beyond the regulatory deadline to the force majeure; describe the measures taken or to be taken to minimize the delay; and identify a date by which the owner or operator proposes to conduct the performance test. The performance test shall be conducted as soon as practicable after the force majeure occurs. (NSPS Subpart A) [40 CFR 60.8(a)(2)]	None.	None.	None.
17	The decision as to whether or not to grant an extension to the performance test deadline is solely within the discretion of the Administrator. The Administrator will notify the owner or operator in writing of approval or disapproval of the request for an extension as soon as practicable. (NSPS Subpart A) [40 CFR 60.8(a)(3)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
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Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
18	Until an extension of the performance test deadline has been approved by the Administrator under paragraphs (a)(1), (2), and (3) of Section 40 CFR 60.8, the owner or operator of the affected facility remains strictly subject to the requirements of this part. (NSPS Subpart A) [40 CFR 60.8(a)(4)]	None.	None.	None.
19	Performance tests shall be conducted and data reduced in accordance with the test methods and procedures contained in each applicable subpart unless the Administrator (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, (3) approves the use of an alternative method the results of which he has determined to be adequate for indicating whether a specific source is in compliance, (4) waives the requirement for performance tests because the owner or operator of a source has demonstrated by other means to the Administrator's satisfaction that the affected facility is in compliance with the standard, or (5) approves shorter sampling times and smaller sample volumes when necessitated by process variables or other factors. Nothing in this paragraph shall be construed to abrogate the Administrator's authority to require testing under section 114 of the Act. (NSPS Subpart A) [40 CFR 60.8(b)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
20	Performance tests shall be conducted under such conditions as the Administrator shall specify to the plant operator based on representative performance of the affected facility. The owner or operator shall make available to the Administrator such records as may be necessary to determine the conditions of the performance tests. Operations during periods of startup, shutdown, and malfunction shall not constitute representative conditions for the purpose of a performance test nor shall emissions in excess of the level of the applicable emission limit during periods of startup, shutdown, and malfunction be considered a violation of the applicable emission limit unless otherwise specified in the applicable standard. (NSPS Subpart A) [40 CFR 60.8(c)]	None.	None.	None.
21	The owner or operator of an affected facility shall provide the Administrator at least 30 days prior notice of any performance test, except as specified under other subparts, to afford the Administrator the opportunity to have an observer present. If after 30 days notice for an initially scheduled performance test, there is a delay (due to operational problems, etc.) in conducting the scheduled performance test, the owner or operator of an affected facility shall notify the Administrator (or delegated State or local agency) as soon as possible of any delay in the original test date, either by providing at least 7 days prior notice of the rescheduled date of the performance test, or by arranging a rescheduled date with the Administrator (or delegated State or local agency) by mutual agreement. (NSPS Subpart A) [40 CFR 60.8(d)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
22	The owner or operator of an affected facility shall provide, or cause to be provided, performance testing facilities as follows: (1) Sampling ports adequate for test methods applicable to such facility. This includes (i) constructing the air pollution control system such that volumetric flow rates and pollutant emission rates can be accurately determined by applicable test methods and procedures and (ii) providing a stack or duct free of cyclonic flow during performance tests, as demonstrated by applicable test methods and procedures. (2) Safe sampling platform(s). (3) Safe access to sampling platform(s). (4) Utilities for sampling and testing equipment. (NSPS Subpart A) [40 CFR 60.8(e)]	None.	None.	None.
23	Unless otherwise specified in the applicable subpart, each performance test shall consist of three separate runs using the applicable test method. Each run shall be conducted for the time and under the conditions specified in the applicable standard. For the purpose of determining compliance with an applicable standard, the arithmetic means of results of the three runs shall apply. In the event that a sample is accidentally lost or conditions occur in which one of the three runs must be discontinued because of forced shutdown, failure of an irreplaceable portion of the sample train, extreme meteorological conditions, or other circumstances, beyond the owner or operator's control, compliance may, upon the Administrator's approval, be determined using the arithmetic mean of the results of the two other runs. (NSPS Subpart A) [40 CFR 60.8(f)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
24	At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (NSPS Subpart A) [40 CFR 60.11(d)]	None.	None.	None.
25	No owner or operator shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. (NSPS Subpart A) [40 CFR 60.12]	None.	None.	None.
26	The owner or operator shall notify the Administrator of the proposed replacement of components. (NSPS Subpart A) [40 CFR 60.15]	None.	None.	Submit notification: At a common schedule agreed upon by the operator and the Administrator. The notification shall include information listed under 40 CFR Part 60.15(d). The notification shall be postmarked 60 days (or as soon as practicable) before construction of the replacements is commenced. [40 CFR 60.15(d)]
27	Changes in time periods for submittal of information and postmark deadlines set forth in this subpart, may be made only upon approval by the Administrator and shall follow procedures outlined in 40 CFR Part 60.19. (NSPS Subpart A) [40 CFR 60.19]	None.	None.	None.
28	Opacity <= 10 % (fugitive- all other affected facilities) (NSPS Subpart OOO). [40 CFR 60.672(b)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
29	<p>In determining compliance with the particulate matter standards in 40CFR 60.672(b) or 40 CFR 60.672(e)(1), the owner or operator shall use Method 9 of Appendix A-4 of this part and the procedures in 40 CFR 60.11, with the following additions:</p> <p>(i) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).</p> <p>(ii) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources ( e.g., road dust). The required observer position relative to the sun (Method 9 of Appendix A-4 of this part, Section 2.1) must be followed.</p> <p>(iii) For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible. (NSPS Subpart OOO) [40 CFR 60.675(c)(1)]</p>	None.	None.	None.
30	<p>When determining compliance with the fugitive emissions standard for any affected facility described under 40 CFR 60.672(b) or 40 CFR 60.672(e)(1) of this subpart, the duration of the Method 9 (40 CFR part 60, Appendix A-4) observations must be 30 minutes (five 6-minute averages). Compliance with the applicable fugitive emission limits in Table 3 of this subpart must be based on the average of the five 6-minute averages. (NSPS Subpart OOO) [40 CFR 60.675(c)(3)]</p>	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
31	For performance tests involving only Method 9 (40 CFR part 60 Appendix A-4) testing, the owner or operator may reduce the 30-day advance notification of performance test in 40 CFR 60.7(a)(6) and 60.8(d) to a 7-day advance notification. (NSPS Subpart OOO) [40 CFR 60.675(g)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U41 Impact Mill Feed Bin

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No Visible Emissions: Equipment shall not be used in a manner which will cause visible emissions, exclusive of condensed water vapor based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	All particulate emissions from this emission unit shall be exhausted through a baghouse (CD31), which vents indoors. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	Pressure Drop Across the Baghouse $\geq$ 1 and Pressure Drop Across the Baghouse $\leq$ 8 inches w.c.. [N.J.A.C. 7:27-22.16(a)]	Pressure Drop Across the Baghouse: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily in a logbook or other electronic data management system. [N.J.A.C. 7:27-22.16(o)]	None.
4	The owner or operator shall inspect and maintain the baghouse on a schedule necessary to achieve the required particulate control efficiency as specified by the manufacturer. [N.J.A.C. 7:27-22.16(e)]	Monitored by visual determination at the manufacturer's specified frequency. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Record each inspection and maintenance event in a logbook or readily accessible computer memory. [N.J.A.C. 7:27-22.16(o)]	None.
5	Raw material limited to gypsum rock, impurities, recycled gypsum products, and other ingredients necessary for the production of gypsum products. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by reviewing raw material delivery records per delivery. [N.J.A.C. 7:27-22.16(o)].	Other: Maintain invoices, bills of lading, and/or MSDS sheets for raw materials received. [N.J.A.C. 7:27-22.16(o)].	None.
6	Total Material Transferred $\leq$ 175,200 tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity. [N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity. [N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	All requests, reports, applications, submittal, and other communications required by 40 CFR 60 shall be submitted in duplicate to the EPA Region II Administrator: United States Environmental Protection Agency, Region II Air Compliance Branch 290 Broadway New York, NY 10007-1866. (NSPS Subpart A) [40 CFR 60.4(a)]	None.	None.	Submit a report: As per the approved schedule to EPA Region II as required by 40 CFR 60. [40 CFR 60.4(a)]
8	Submit copies of all requests, reports, applications, submittals, and other communications required by 40 CFR 60 to the NJDEP Central Regional Enforcement Office. (NSPS Subpart A) [40 CFR 60.4(b)]	None.	None.	Submit a report: As per the approved schedule to the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60. [40 CFR 60.4(b)]
9	The subpart A requirement under 40 CFR 60.7(a)(1) for notification of the date construction or reconstruction commenced is waived for affected facilities under 40 CFR 60 Subpart OOO. (NSPS Subpart OOO) [40 CFR 60.676(h)]	None.	None.	None.
10	Submit a notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 40 CFR 60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The Administrator may request additional relevant information subsequent to this notice. (NSPS Subpart A) [40 CFR 60.7(a)(4)]	None.	None.	Submit notification: Prior to occurrence of event (60 days or as soon as practicable before change is commenced). [40 CFR 60.a(4)]



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	Maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. (NSPS Subpart A) [40 CFR 60.7(b)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Maintain readily accessible records of the occurrence and duration of any startup, shutdown, or malfunction in a logbook. [40 CFR 60.7(b)]	None.
12	Except as specified in paragraphs (a)(1),(a)(2), (a)(3), and (a)(4) of Section 40 CFR 60.8, within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup of such facility, or at such other times specified by this part, and at such other times as may be required by the Administrator under section 114 of the Act, the owner or operator of such facility shall conduct performance test(s) and furnish the Administrator a written report of the results of such performance test(s). (NSPS Subpart A) [40 CFR 60.8(a)]	None.	None.	None.
13	If a force majeure is about to occur, occurs, or has occurred for which the affected owner or operator intends to assert a claim of force majeure, the owner or operator shall notify the Administrator, in writing as soon as practicable following the date the owner or operator first knew, or through due diligence should have known that the event may cause or caused a delay in testing beyond the regulatory deadline, but the notification must occur before the performance test deadline unless the initial force majeure or a subsequent force majeure event delays the notice, and in such cases, the notification shall occur as soon as practicable. (NSPS Subpart A) [40 CFR 60.8(a)(1)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

<b>Ref.#</b>	<b>Applicable Requirement</b>	<b>Monitoring Requirement</b>	<b>Recordkeeping Requirement</b>	<b>Submittal/Action Requirement</b>
14	The owner or operator shall provide to the Administrator a written description of the force majeure event and a rationale for attributing the delay in testing beyond the regulatory deadline to the force majeure; describe the measures taken or to be taken to minimize the delay; and identify a date by which the owner or operator proposes to conduct the performance test. The performance test shall be conducted as soon as practicable after the force majeure occurs. (NSPS Subpart A) [40 CFR 60.8(a)(2)]	None.	None.	None.
15	The decision as to whether or not to grant an extension to the performance test deadline is solely within the discretion of the Administrator. The Administrator will notify the owner or operator in writing of approval or disapproval of the request for an extension as soon as practicable. (NSPS Subpart A) [40 CFR 60.8(a)(3)]	None.	None.	None.
16	Until an extension of the performance test deadline has been approved by the Administrator under paragraphs (a)(1), (2), and (3) of Section 40 CFR 60.8, the owner or operator of the affected facility remains strictly subject to the requirements of this part. (NSPS Subpart A) [40 CFR 60.8(a)(4)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
17	Performance tests shall be conducted and data reduced in accordance with the test methods and procedures contained in each applicable subpart unless the Administrator (1) specifies or approves, in specific cases, the use of a reference method with minor changes in methodology, (2) approves the use of an equivalent method, (3) approves the use of an alternative method the results of which he has determined to be adequate for indicating whether a specific source is in compliance, (4) waives the requirement for performance tests because the owner or operator of a source has demonstrated by other means to the Administrator's satisfaction that the affected facility is in compliance with the standard, or (5) approves shorter sampling times and smaller sample volumes when necessitated by process variables or other factors. Nothing in this paragraph shall be construed to abrogate the Administrator's authority to require testing under section 114 of the Act. (NSPS Subpart A) [40 CFR 60.8(b)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
18	Performance tests shall be conducted under such conditions as the Administrator shall specify to the plant operator based on representative performance of the affected facility. The owner or operator shall make available to the Administrator such records as may be necessary to determine the conditions of the performance tests. Operations during periods of startup, shutdown, and malfunction shall not constitute representative conditions for the purpose of a performance test nor shall emissions in excess of the level of the applicable emission limit during periods of startup, shutdown, and malfunction be considered a violation of the applicable emission limit unless otherwise specified in the applicable standard. (NSPS Subpart A) [40 CFR 60.8(c)]	None.	None.	None.
19	The owner or operator of an affected facility shall provide the Administrator at least 30 days prior notice of any performance test, except as specified under other subparts, to afford the Administrator the opportunity to have an observer present. If after 30 days notice for an initially scheduled performance test, there is a delay (due to operational problems, etc.) in conducting the scheduled performance test, the owner or operator of an affected facility shall notify the Administrator (or delegated State or local agency) as soon as possible of any delay in the original test date, either by providing at least 7 days prior notice of the rescheduled date of the performance test, or by arranging a rescheduled date with the Administrator (or delegated State or local agency) by mutual agreement. (NSPS Subpart A) [40 CFR 60.8(d)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
20	The owner or operator of an affected facility shall provide, or cause to be provided, performance testing facilities as follows: (1) Sampling ports adequate for test methods applicable to such facility. This includes (i) constructing the air pollution control system such that volumetric flow rates and pollutant emission rates can be accurately determined by applicable test methods and procedures and (ii) providing a stack or duct free of cyclonic flow during performance tests, as demonstrated by applicable test methods and procedures. (2) Safe sampling platform(s). (3) Safe access to sampling platform(s). (4) Utilities for sampling and testing equipment. (NSPS Subpart A) [40 CFR 60.8(e)]	None.	None.	None.
21	Unless otherwise specified in the applicable subpart, each performance test shall consist of three separate runs using the applicable test method. Each run shall be conducted for the time and under the conditions specified in the applicable standard. For the purpose of determining compliance with an applicable standard, the arithmetic means of results of the three runs shall apply. In the event that a sample is accidentally lost or conditions occur in which one of the three runs must be discontinued because of forced shutdown, failure of an irreplaceable portion of the sample train, extreme meteorological conditions, or other circumstances, beyond the owner or operator's control, compliance may, upon the Administrator's approval, be determined using the arithmetic mean of the results of the two other runs. (NSPS Subpart A) [40 CFR 60.8(f)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
22	At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. (NSPS Subpart A) [40 CFR 60.11(d)]	None.	None.	None.
23	No owner or operator shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. (NSPS Subpart A) [40 CFR 60.12]	None.	None.	None.
24	The owner or operator shall notify the Administrator of the proposed replacement of components. (NSPS Subpart A) [40 CFR 60.15]	None.	None.	Submit notification: At a common schedule agreed upon by the operator and the Administrator. The notification shall include information listed under 40 CFR Part 60.15(d). The notification shall be postmarked 60 days (or as soon as practicable) before construction of the replacements is commenced. [40 CFR 60.15(d)]
25	Changes in time periods for submittal of information and postmark deadlines set forth in this subpart, may be made only upon approval by the Administrator and shall follow procedures outlined in 40 CFR Part 60.19. (NSPS Subpart A) [40 CFR 60.19]	None.	None.	None.
26	Opacity <= 10 % (fugitive- all other affected facilities) (NSPS Subpart OOO). [40 CFR 60.672(b)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
27	<p>In determining compliance with the particulate matter standards in 40CFR 60.672(b) or 40 CFR 60.672(e)(1), the owner or operator shall use Method 9 of Appendix A-4 of this part and the procedures in 40 CFR 60.11, with the following additions:</p> <p>(i) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).</p> <p>(ii) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources ( e.g., road dust). The required observer position relative to the sun (Method 9 of Appendix A-4 of this part, Section 2.1) must be followed.</p> <p>(iii) For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible. (NSPS Subpart OOO) [40 CFR 60.675(c)(1)]</p>	None.	None.	None.
28	<p>When determining compliance with the fugitive emissions standard for any affected facility described under 40 CFR 60.672(b) or 40 CFR 60.672(e)(1) of this subpart, the duration of the Method 9 (40 CFR part 60, Appendix A-4) observations must be 30 minutes (five 6-minute averages). Compliance with the applicable fugitive emission limits in Table 3 of this subpart must be based on the average of the five 6-minute averages. (NSPS Subpart OOO) [40 CFR 60.675(c)(3)]</p>	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

<b>Ref.#</b>	<b>Applicable Requirement</b>	<b>Monitoring Requirement</b>	<b>Recordkeeping Requirement</b>	<b>Submittal/Action Requirement</b>
29	For performance tests involving only Method 9 (40 CFR part 60 Appendix A-4) testing, the owner or operator may reduce the 30-day advance notification of performance test in 40 CFR 60.7(a)(6) and 60.8(d) to a 7-day advance notification. (NSPS Subpart OOO) [40 CFR 60.675(g)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Emission Unit:** U41 Impact Mill Feed Bin**Operating Scenario:** OS1 Feed Bin to the Impact Mill - E52-CD31-(vent indoors), OS2 Impact Mill Feed Bin Elevator - E60-CD31- (vent indoors)

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Maximum emission rate of TSP is below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	Total Material Transferred <= 40,000 lb/hr. Maximum throughput rate based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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### New Jersey Department of Environmental Protection Facility Specific Requirements

Emission Unit: U42 Ball Mills 1-4

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	No Visible Emissions: Equipment shall not be used in a manner which will cause visible emissions, exclusive of condensed water vapor based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	Maximum emission rate of TSP is below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22, for each equipment (E53, E54, E55, E56). [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	All particulate emissions from this emission unit shall be exhausted through a baghouse (CD37), which vents indoors. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Pressure Drop Across the Baghouse $\geq 1$ and Pressure Drop Across the Baghouse $\leq 14$ inches w.c.. [N.J.A.C. 7:27-22.16(e)]	Pressure Drop Across the Baghouse: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily in a logbook or other electronic data management system. [N.J.A.C. 7:27-22.16(o)]	None.
5	The owner or operator shall inspect and maintain the baghouse on a schedule necessary to achieve the required particulate control efficiency as specified by the manufacturer. [N.J.A.C. 7:27-22.16(e)]	Monitored by visual determination at the manufacturer's specified frequency. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Record each inspection and maintenance event in a logbook or readily accessible computer memory. [N.J.A.C. 7:27-22.16(o)]	None.
6	Raw material limited to gypsum rock, impurities, recycled gypsum products, and other ingredients necessary for the production of gypsum products. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by reviewing raw material delivery records per delivery.[N.J.A.C. 7:27-22.16(e)].	Other: Maintain invoices, bills of lading, and/or MSDS sheets for raw materials received.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	Total Material Transferred <= 40,000 lb/hr. Maximum throughput rate based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
8	Total Material Transferred <= 175,200 tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(e)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U43 Wet End Vacuum System

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.54 lb/hr based on 0.02 grains per scf. [N.J.A.C. 7:27-6.2(a)]	None.	None.	None.
2	Opacity <= 20 % , exclusive of visible condensed water vapor, for a period of not longer than three (3) minutes in any consecutive 30-minute period including periods of startup and shutdown. [N.J.A.C. 7:27-6.2(d)] and. [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.
3	No Visible Emissions: There shall be no visible emissions, exclusive of visible water vapor, except for three minutes in any consecutive thirty minute period based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	TSP <= 2.54 tons/yr based on preconstruction permit and 8760 hours per year of operation. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
5	PM-10 (Total) <= 2.54 tons/yr based on preconstruction permit and 8760 hours per year of operation. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
6	PM-2.5 (Total) <= 2.54 tons/yr based on BOP140001 and 8760 hours per year of operation. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	TSP <= 0.58 lb/hr based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
8	PM-10 (Total) <= 0.58 lb/hr based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
9	PM-2.5 (Total) <= 0.58 lb/hr based on BOP140001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
10	Pressure Drop Across the Baghouse $\geq$ 0.5 and Pressure Drop Across the Baghouse $\leq$ 15 inches w.c. based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	Pressure Drop Across the Baghouse: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily in a logbook or other electronic data management system. [N.J.A.C. 7:27-22.16(o)]	None.
11	The permittee shall inspect and maintain the baghouse on a schedule that will ensure operational efficiency. The baghouse shall be operated and maintained in accordance with the manufacturer's recommendations. [N.J.A.C. 7:27-22.16(e)]	Monitored by visual determination each month during operation. [N.J.A.C. 7:27-22.16(e)]	Recordkeeping by manual logging of parameter upon occurrence of event. Each instance of baghouse maintenance and filter media replacement shall be recorded. [N.J.A.C. 7:27-22.16(e)]	None.
12	Raw material limited to gypsum rock, impurities, recycled gypsum products, fiberglass, UF binder and other ingredients necessary for the production of gypsum products. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by reviewing raw material delivery records per delivery.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain invoices, bills of lading and/or MSDS sheets for raw materials received.[N.J.A.C. 7:27-22.16(o)].	None.
13	Total Material Transferred $\leq$ 96,000 lb/hr. Maximum throughput rate based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(a)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
14	Total Material Transferred $\leq$ 420,480 tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(e)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(a)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U47 Reject Bin Dust Collector

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	All particulate emissions from this emission unit shall be exhausted through a baghouse (CD39), which vents indoors. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
2	Maximum emission rate of TSP is below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
3	No Visible Emissions: There shall be no visible emissions, exclusive of visible water vapor, except for three minutes in any consecutive thirty minute period. [N.J.A.C. 7:27-22.16(e)]	None.	None.	None.
4	Pressure Drop Across the Baghouse $\geq 0.5$ and Pressure Drop Across the Baghouse $\leq 15$ inches w.c. based on preconstruction permit. [N.J.A.C. 7:27-22.16(e)]	Pressure Drop Across the Baghouse: Monitored by pressure drop Instrument continuously, based on an instantaneous determination. The permittee shall install, calibrate and maintain the monitor(s) in accordance with the manufacturer's specifications. The monitor(s) shall be ranged such that the allowable value is approximately mid-scale of the full range current/voltage output. [N.J.A.C. 7:27-22.16(o)]	Pressure Drop Across the Baghouse: Recordkeeping by manual logging of parameter or storing data in a computer data system daily in a logbook or readily accessible electronic data management system. [N.J.A.C. 7:27-22.16(o)]	None.
5	The permittee shall inspect and maintain the dust collector and replace the filter media on a schedule which will ensure the dust collector efficiency is maintained. The dust collector shall be operated and maintained in accordance with the manufacturer's recommendations. [N.J.A.C. 7:27-22.16(e)]	Monitored by visual determination each month during operation. [N.J.A.C. 7:27-22.16(e)]	Recordkeeping by manual logging of parameter upon occurrence of event. Each instance of dust collector maintenance and filter media replacement shall be recorded. [N.J.A.C. 7:27-22.16(e)]	None.
6	Raw material limited to gypsum rock, impurities, recycled gypsum products, fiberglass, gypsum paper and other ingredients necessary for the production of gypsum products. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by reviewing raw material delivery records per delivery.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain invoices, bills of lading and/or MSDS sheets for raw materials received.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	Total Material Transferred <= 120,000 lb/hr of rejected gypsum material to be recycled back into the process, based on the maximum design capacity of stucco cooling #1 (E31) and #2 (E34) elevator discharge screws. [N.J.A.C. 7:27-22.16(e)]	Other: Based on maximum equipment design capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment design capacity.[N.J.A.C. 7:27-22.16(o)].	None.
8	Total Material Transferred <= 525,600 tons/yr of rejected gypsum material to be recycled back into the process based on maximum lb/hr. [N.J.A.C. 7:27-22.16(e)]	Other: Based on maximum equipment design capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment design capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Emission Unit:** U51 Crusher Building and Transfer Tower

**Operating Scenario:** OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	TSP <= 5.06 tons/yr. Based on maximum hourly emission rate and 8760 annual operating hours from operating permit application BOP090001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	PM-10 (Total) <= 2.61 tons/yr. Based on maximum hourly emission rate and 8760 annual operating hours from operating permit application BOP090001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	PM-2.5 (Total) <= 2.61 tons/yr. Based on maximum hourly emission rate and 8760 annual operating hours from BOP140001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	The moisture content of the raw material transferred is > 1.3 percent by weight, from operating permit application BOP090001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	No Visible Emissions: Equipment shall not be used in a manner which will cause visible emissions, exclusive of condensed water vapor based on preconstruction permit. [N.J.A.C. 7:27-22.16(a)]	Monitored by visual determination each month during operation, based on an instantaneous determination. For compliance with the opacity standard, the permittee shall conduct visual opacity inspections during daylight hours. Visual inspections shall consist of a visual survey to identify if the stack has visible emissions, (other than condensed water vapor), greater than the prescribed standard. If visible emissions are observed, the permittee shall do the following: (1) Verify that the equipment and/or control device causing the emission is operating according to manufactures specifications and the operating permit compliance plan. If the equipment or control device is not operating properly, the permittee shall take corrective action immediately to eliminate the excess emissions. The permittee must report any permit violations to NJDEP pursuant to N.J.A.C. 7:27-22.19. (2) If the corrective action taken in step (1) does not correct the opacity problem within 24 hours, the permittee shall perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Such test shall be conducted each day until corrective action is taken to successfully correct the opacity problem. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation (in a logbook or other electronic data management system) and retain the following records: (1) Date and time of inspection; (2) Emission point number; (3) Operational status of the equipment; (4) Observed results and conclusions; (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and (8) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]	None.
6	Raw materials limited to gypsum rock, impurities, recycled gypsum products and other ingredients necessary for the production of gypsum products based on operating permit application BOP090001. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by reviewing raw material delivery records per delivery.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain invoices, bills of lading, and/or MSDS sheets for raw materials received.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Emission Unit:** U51 Crusher Building and Transfer Tower

**Operating Scenario:** OS1 #7 Belt, OS2 #8 Belt, OS3 #9 Belt

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Maximum emission rate of TSP and PM-10 (Total) from operating permit application BOP090001 are below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	Total Material Transferred <= 350,000 lb/hr. Maximum throughput rate based on operating permit application. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
3	Total Material Transferred <= 1,533,000 tons/yr based on maximum lb/hr. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Emission Unit:** U51 Crusher Building and Transfer Tower

**Operating Scenario:** OS4 #10 Belt

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	TSP <= 0.53 lb/hr from operating permit application BOP090001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	PM-10 (Total) <= 0.21 lb/hr from operating permit application BOP090001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	PM-2.5 (Total) <= 0.21 lb/hr from operating permit application BOP140001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Total Material Transferred <= 350,000 lb/hr. Maximum throughput rate from operating permit application BOP090001. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
5	Total Material Transferred <= 1,533,000 tons/yr based on maximum lb/hr, from operating permit application BOP090001. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Emission Unit:** U51 Crusher Building and Transfer Tower

**Operating Scenario:** OS5 #11 Belt

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	TSP <= 0.63 lb/hr from operating permit application BOP090001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	PM-10 (Total) <= 0.39 lb/hr from operating permit application BOP090001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	PM-2.5 (Total) <= 0.39 lb/hr from operating permit application BOP140001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Total Material Transferred <= 350,000 lb/hr. Maximum throughput rate from operating permit application BOP090001. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
5	Total Material Transferred <= 1,533,000 tons/yr based on maximum lb/hr, from operating permit application BOP090001. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U52 Temporary Discharge Auger #1

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Opacity <= 20 % , exclusive of condensed water vapor, except for 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] and [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.
2	No Visible Emissions, exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(a)]	Monitored by visual determination each month during operation. Conduct visual opacity inspections during daylight hours to identify if the stack has visible emissions, other than condensed water vapor. Select an observation position enabling clear view of emission point(s), minimum 15 feet away without sunlight shining directly into the eyes. Observe for a minimum duration of 30 minutes. Clock observation with two stopwatches starting the 1st watch at the commencement of the 30-minute observation period and starting and stopping the 2nd watch every time visible emissions are first seen and when they cease, and record the observation. If visible emissions are observed for more than 3 minutes in the 30-consecutive minutes: (1) Verify the equipment and/or control device causing visible emissions is operating according to manufacturer's specifications. If it is not operating properly, take corrective action immediately to eliminate the excess emissions. (2) If the opacity problem is not corrected within 24 hours, perform a check via a certified opacity reader, in accordance with N.J.A.C. 7:27B-2. Conduct such test each day until the opacity problem is successfully corrected. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Record and retain the following: (1) Date and time of inspection; (2) Emission Point number; (3) Operational status of equipment; (4) Observed results and conclusions; (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2 results if conducted; and (8) Name of person(s) conducting inspection. [N.J.A.C. 7:27-22.16(o)]	None.
3	TSP <= 1.53 tons/yr. Annual emission limit based on maximum annual throughput, from BOP160001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.



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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
4	PM-10 (Total) <= 0.72 tons/yr. Annual emission limit based on maximum annual throughput, from BOP160001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
5	Raw material limited to De-watering material from BOP160001. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Keep records showing raw materials used.[N.J.A.C. 7:27-22.16(o)].	None.
6	Total Material Transferred <= 9,600 tons/yr based on maximum hourly throughput rate and hours of operation, from BOP160001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
7	Hours of Operation <= 960 hr/yr. [N.J.A.C. 7:27-22.16(a)]	Hours of Operation: Monitored by hour/time monitor upon occurrence of event. [N.J.A.C. 7:27-22.16(o)]	Hours of Operation: Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Maintain onsite records that are easily accessible for Department inspection. [N.J.A.C. 7:27-22.16(o)]	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U52 Temporary Discharge Auger #1

Operating Scenario: OS1 7" horizontal auger, 9" diagonal auger; 240 RPM; 6-10 tons/hr

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	TSP <= 3.18 lb/hr. Maximum emission rate, from BOP160001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	PM-10 (Total) <= 1.5 lb/hr. Maximum emission rate, from BOP160001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
3	Maximum emission rates of VOC, NOx, CO and SO2 are below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22, from BOP160001. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Total Material Transferred <= 10 tons/hr from BOP160001. [N.J.A.C. 7:27-22.16(a)]	Other: Based on equipment capacity.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain records of manufacturer specifications showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U53 Franklin Miller DeLumper

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Summary of Applicable Federal Regulations: 40 CFR 60 Subpart A 40 CFR 60 Subpart OOO [None]	None.	None.	None.
2	Opacity <= 20 % , exclusive of condensed water vapor, except for 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] and [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.
3	No Visible Emissions, exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Raw material limited to gypsum rock, impurities, recycled gypsum products, and other ingredients necessary for the production of gypsum products. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by reviewing raw material delivery records per delivery.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain invoices, bills of lading, and/or MSDS sheets for raw materials received.[N.J.A.C. 7:27-22.16(o)].	None.
5	Total Material Transferred <= 4.31 tons/hr of plaster additives, from BOP160002. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain records showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
6	Total Material Transferred <= 37,778 tons/yr of plaster additives based on maximum hourly throughput rate and 8760 hr/yr, from BOP160002. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain records showing the annual tons/yr throughput.[N.J.A.C. 7:27-22.16(o)].	None.
7	All requests, reports, applications, submittals, and other communications to the Administrator pursuant to Part 60 shall be submitted in duplicate to the Regional Office of US Environmental Protection Agency. Submit information to: Director, Division of Enforcement & Compliance Assistance, US EPA, Region 2, 290 Broadway, New York, NY 10007-1866. (NSPS Subpart A) [40 CFR 60.4(a)]	None.	None.	Submit a report: As per the approved schedule to EPA Region 2 as required by 40 CFR 60. [40 CFR 60.4(a)]



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

<b>Ref.#</b>	<b>Applicable Requirement</b>	<b>Monitoring Requirement</b>	<b>Recordkeeping Requirement</b>	<b>Submittal/Action Requirement</b>
8	Copies of all information submitted to EPA pursuant to 40 CFR Part 60, must also be submitted to the appropriate Regional Enforcement Office of NJDEP. (NSPS Subpart A) [40 CFR 60.4(b)]	None.	None.	Submit a report: As per the approved schedule to the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60. [40 CFR 60.4(b)]
9	The subpart A requirement under 40 CFR 60.6(a)(1) for notification of the date construction or reconstruction commenced is waived for affected facilities under 40 CFR 60 Subpart OOO. (NSPS Subpart OOO) [40 CFR 60.676(h)]	None.	None.	None.
10	The owner or operator subject to the provisions of 40 CFR Part 60 shall furnish the Administrator written notification or, if acceptable to both the Administrator and the owner or operator of a source, electronic notification, of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in 40 CFR 60.14(e). The notification shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of facility before and after the change and the expected completion date of the change. Notification shall be postmarked within 60 days or as soon as practicable before any change is commenced. The Administrator may request additional relevant information subsequent to this notice. (NSPS Subpart A) [40 CFR 60.7(a)(4)]	None.	None.	Submit notification: Upon occurrence of event to EPA Region 2 and the appropriate Regional Enforcement Office of NJDEP as required by 40 CFR 60.7 [40 CFR 60.7(a)(4)]



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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
11	The owner or operator shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility, any malfunction of air pollution control equipment or any periods during which continuous monitoring system or monitoring device is inoperative. (NSPS Subpart A) [40 CFR 60.7(b)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The records should be kept in a permanent form suitable for inspections. [40 CFR 60.7(b)]	None.
12	Within 60 days after achieving the maximum production rate at which the affected facility will operate, but not later than 180 days after initial startup of the facility, the owner or operator shall conduct performance test(s) and shall furnish the Administrator a written report of the results. (NSPS Subpart A) [40 CFR 60.8(a)]	None.	None.	Submit a report: At a common schedule agreed upon by the operator and the Administrator. The owner or operator shall submit results of the performance test(s) to the Administrator. [40 CFR 60.8(a)]
13	The owner or operator shall conduct performance tests and data reduced in accordance with the test methods and procedures contained in each applicable subpart, unless otherwise specified and approved by the Administrator. (NSPS Subpart A) [40 CFR 60.8(b)]	None.	None.	None.
14	Performance tests shall be conducted under conditions the Administrator specifies to the plant operator based on representative performance of the affected facility. Operations during periods of startup, shutdown and malfunction shall not constitute representative conditions for the purpose of the performance test nor shall emissions in excess of the level of the applicable emission limit during periods of startup, shutdown, and malfunction be considered a violation of the applicable emission limit unless otherwise specified in the applicable standard. (NSPS Subpart A) [40 CFR 60.8(c)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
15	The owner or operator shall provide the Administrator at least 30 days prior notice of any performance test and shall provide adequate performance testing facilities as specified in 40 CFR Part 60.8(e). (NSPS Subpart A) [40 CFR 60.8(d)]	None.	None.	None.
16	Unless otherwise specified in the applicable subpart, each performance test shall consist of three separate runs using the applicable test method. (NSPS Subpart A) [40 CFR 60.8(f)]	None.	None.	None.
17	The owner or operator shall demonstrate compliance with NSPS opacity standards specified in 40 CFR Part 60. (NSPS Subpart A) [40 CFR 60.11(b)]	Monitored by visual determination once initially, based on 6 minute blocks. Testing shall be conducted using Reference Method 9 in Appendix A of NSPS. For purposes of determining initial compliance, the minimum total time of observations shall be 3 hours (30 6-min averages) for the performance test. [40 CFR 60.11(b)]	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. The owner or operator shall maintain records of opacity of emissions based on Method 9 observations. [40 CFR 60.11(e)(2)]	Submit a report: At a common schedule agreed upon by the operator and the Administrator. The owner or operator shall submit results of Method 9 observation data to the Administrator. [40 CFR 60.11(e)(2)]
18	The NSPS opacity standard shall apply at all times except during periods of startup, shutdown, malfunctions and as otherwise specified in the applicable standard. (NSPS Subpart A) [40 CFR 60.11(c)]	None.	None.	None.
19	At all times, including periods of start-up, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, opacity observations, review of operation and maintenance procedures, and inspection of the source. (NSPS Subpart A) [40 CFR 60.11(d)]	None.	None.	None.



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Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
20	For the purpose of demonstrating initial compliance, opacity observations shall be conducted concurrently with the initial performance test required in 40 CFR Part 60.8. If no performance test is required to be performed, then opacity observations shall be conducted within 60 days after achieving the maximum production rate at which the affected facility will be operated but no later than 180 days after initial startup of the facility. (NSPS Subpart A) [40 CFR 60.11(e)(1)]	None.	None.	Submit notification: As per the approved schedule. The owner or operator shall notify the Administrator of the anticipated date for conducting the opacity observation. The notification shall also include, if appropriate, a request for the Administrator to provide a visible emissions reader during the performance test. The notification shall be postmarked not less than 30 days prior to such a date. [40 CFR 60.7(a)(6)]
21	No owner or operator subject to NSPS standards in Part 60, shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. (NSPS Subpart A) [40 CFR 60.12]	None.	None.	None.
22	The owner or operator shall notify the Administrator of the proposed replacement of components, upon triggering reconstruction as defined at 40 CFR 60.15. (NSPS Subpart A) [40 CFR 60.15]	None.	None.	Submit notification: At a common schedule agreed upon by the operator and the Administrator. The notification shall include information listed under 40 CFR Part 60.15(d). The notification shall be postmarked 60 days (or as soon as practicable) before construction of the replacements is commenced. [40 CFR 60.15(d)]
23	Changes in time periods for submittal of information and postmark deadlines set forth in this subpart, may be made only upon approval by the Administrator and shall follow procedures outlined in 40 CFR Part 60.19. (NSPS Subpart A) [40 CFR 60.19]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
24	<p>In determining compliance with the particulate matter standards in 40CFR 60.672(b) or 40 CFR 60.672(e)(1), the owner or operator shall use Method 9 of Appendix A-4 of this part and the procedures in 40 CFR 60.11, with the following additions:</p> <p>(i) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).</p> <p>(ii) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources ( e.g., road dust). The required observer position relative to the sun (Method 9 of Appendix A-4 of this part, Section 2.1) must be followed.</p> <p>(iii) For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible. (NSPS Subpart OOO) [40 CFR 60.675(c)(1)]</p>	None.	None.	None.
25	<p>When determining compliance with the fugitive emissions standard for any affected facility described under 40 CFR 60.672(b) or 40 CFR 60.672(e)(1) of this subpart, the duration of the Method 9 (40 CFR part 60, Appendix A-4) observations must be 30 minutes (five 6-minute averages). Compliance with the applicable fugitive emission limits in Table 3 of this subpart must be based on the average of the five 6-minute averages. (NSPS Subpart OOO) [40 CFR 60.675(c)(3)]</p>	None.	None.	None.



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Facility Specific Requirements**

<b>Ref.#</b>	<b>Applicable Requirement</b>	<b>Monitoring Requirement</b>	<b>Recordkeeping Requirement</b>	<b>Submittal/Action Requirement</b>
26	For performance tests involving only Method 9 (40 CFR part 60 Appendix A-4) testing, the owner or operator may reduce the 30-day advance notification of performance test in 40 CFR 60.7(a)(6) and 60.8(d) to a 7-day advance notification. (NSPS Subpart OOO) [40 CFR 60.675(g)]	None.	None.	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U53 Franklin Miller DeLumper

Operating Scenario: OS1 Feed Hopper - Fugitive emissions from building openings

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Maximum emission rates of TSP and PM-10 are below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22, from BOP160002. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	Opacity <= 7 %. Fugitive emissions from building openings must not exceed 7 percent opacity. (NSPS Subpart OOO). [40 CFR 60.672(e)(1)]	Other: Monitored by an initial Method 9 (40 CFR Part 60, appendix A-4) performance test according to 40 CFR 60.675 and 40 CFR 60.11.[40 CFR 60.675(d)(1)].	Opacity: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [40 CFR 60.676(b)(1)]	Conduct a performance test: As per the approved schedule within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup. The owner or operator shall conduct performance test(s) and furnish the Administrator a written report of the results of such performance test(s). [40 CFR 60.8(a)]



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U53 Franklin Miller DeLumper

Operating Scenario: OS2 Delumper/Discharge Auger - Fugitive emissions from building openings

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Maximum emission rates of TSP and PM-10 are below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22, from BOP160002. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
2	Opacity <= 7 %. Fugitive emissions from building openings must not exceed 7 percent opacity. (NSPS Subpart OOO). [40 CFR 60.672(e)(1)]	Other: Monitored by an initial Method 9 (40 CFR Part 60, appendix A-4) performance test according to 40 CFR 60.675 and 40 CFR 60.11.[40 CFR 60.675(d)(1)].	Opacity: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. [40 CFR 60.676(b)(1)]	Conduct a performance test: As per the approved schedule within 60 days after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup. The owner or operator shall conduct performance test(s) and furnish the Administrator a written report of the results of such performance test(s). [40 CFR 60.8(a)]



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Emission Unit:** U54 Resin Extrusion Process**Subject Item:** CD41 Polypropylene Pellet Silo Cartridge #1, CD42 Polypropylene Pellet Silo Cartridge #2, CD43 Polypropylene Pellet Silo Cartridge #3

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	The owner or operator shall inspect and maintain the particulate control device and replace the filter cartridge on a schedule that maintains the designed particulate control efficiency. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by visual determination at the manufacturer's specified frequency and at least monthly[N.J.A.C. 7:27-22.16(o)].	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Record each inspection and maintenance event. [N.J.A.C. 7:27-22.16(o)]	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U54 Resin Extrusion Process

Operating Scenario: OS Summary

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	VOC (Total) <= 3.5 lb/hr. Maximum allowable emission rate as determined from Tables 16A and 16B, based on VOC vapor pressure and percent by volume of the VOC from each source operation. This applies to operating scenarios U54 OS5 and U54 OS6. [N.J.A.C. 7:27-16.16(c)] &. [N.J.A.C. 7:27-16.16(d)]	Other: Monitored by calculations and/or analysis of the source operations for each different kind of batch or continuous process for which the source operations is used.[N.J.A.C. 7:27-22.16(o)].	Other: The owner or operator shall maintain records for each different kind of batch or continuous process for which the source operation is used. The following shall be recorded with the information determined in accordance with the Procedure for Using Table 16A: 1. The chemical name and vapor pressure of each VOC used. 2. The percent concentration by volume of VOC in the source gas 3. The volumetric gas flow rate 4. The source gas range classification 5. The maximum allowable emission rate 6. The maximum actual emission rate. 7. Maintain any calculation and test data used to determine the actual emission rate. 8. If the source operation is used for more than one process, the dates the source operation is used for each process. or Conduct an analysis of the source operation, which demonstrates that, under operating conditions that maximize the VOC emissions after any control, the VOC emission rate of the source operation is in compliance with this section; and maintain process records sufficient to demonstrate whether the VOC emission rate of the source operation from actual operations does not exceed the VOC emission rate under operating conditions. The records shall be maintained for a period of no less than five years and make those records available upon request of the Department or EPA. [N.J.A.C. 7:27-16.16(g)1] and[N.J.A.C. 7:27-16.22(a)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
2	VOC (Total) <= 0.67 tons/yr based on the maximum hourly emission rate and 8760 hours per year, from BOP170002. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Maintain emission calculation records based on the maximum hourly emission rate, showing the maximum annual tons per year emission limit. [N.J.A.C. 7:27-22.16(o)]	None.
3	TSP <= 1.11 tons/yr based on the maximum hourly emission rates and 8760 hours per year. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Maintain emission calculation records based on the maximum hourly emission rate, showing the maximum annual tons per year emission limit. [N.J.A.C. 7:27-22.16(o)]	None.
4	PM-10 (Total) <= 1.11 tons/yr based on the maximum hourly emission rates and 8760 hours per year. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Maintain emission calculation records based on the maximum hourly emission rate, showing the maximum annual tons per year emission limit. [N.J.A.C. 7:27-22.16(o)]	None.
5	PM-2.5 (Total) <= 1.11 tons/yr based on the maximum hourly emission rates and 8760 hours per year. [N.J.A.C. 7:27-22.16(a)]	PM-2.5 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	PM-2.5 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Maintain emission calculation records based on the maximum hourly emission rate, showing the maximum annual tons per year emission limit. [N.J.A.C. 7:27-22.16(o)]	None.
6	HAPs (Total) <= 0.00517 tons/yr based on the maximum hourly emission rate of Formaldehyde and 8760 hours per year, from BOP180001. [N.J.A.C. 7:27-22.16(a)]	HAPs (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	HAPs (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Maintain emission calculation records based on the maximum hourly emission rate, showing the maximum annual tons per year emission limit. [N.J.A.C. 7:27-22.16(o)]	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
7	Formaldehyde <= 0.00517 tons/yr based on the maximum hourly emission rate and 8760 hours per year, from BOP180001. [N.J.A.C. 7:27-22.16(a)]	Formaldehyde: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Formaldehyde: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Maintain emission calculation records based on the maximum hourly emission rate, showing the maximum annual tons per year emission limit. [N.J.A.C. 7:27-22.16(o)]	None.
8	Raw materials limited to resin pellets, pigmented resin pellets, and resin substrate. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by reviewing raw material delivery records per delivery.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain invoices, billing of lading, and/or MSDS sheets for raw materials received.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U54 Resin Extrusion Process

Operating Scenario: OS1 Vacuum Loader, OS2 Hopper Dryer

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr based on 0.02 grains per scf. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	Opacity <= 20 % , exclusive of condensed water vapor, except for 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] and [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.
3	No Visible Emissions, exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Maximum emission rate for TSP, PM-10, and PM-2.5 are below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(a)]	Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Maintain emission calculation records, based on the maximum equipment capacity, showing that the PTE for each air contaminant is below reporting threshold. [N.J.A.C. 7:27-22.16(o)]	None.
5	Total Material Transferred <= 1,323 lb/hr of resin pellets, from BOP170002. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain records showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
6	Total Material Transferred <= 5,795 tons/yr of resin pellets, from BOP170002. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain records showing the annual tons/yr throughput.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

**Emission Unit:** U54 Resin Extrusion Process**Operating Scenario:** OS3 Pigment Feeder 1, OS4 Pigment Feeder 2

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr based on 0.02 grains per scf. [N.J.A.C. 7:27- 6.2(a)]	None.	None.	None.
2	Opacity <= 20 % , exclusive of condensed water vapor, except for 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] and [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.
3	No Visible Emissions, exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Maximum emission rate of TSP, PM-10, and PM-2.5 are below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22. [N.J.A.C. 7:27-22.16(a)]	Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Maintain emission calculation records, based on the maximum equipment capacity, showing that the PTE for each air contaminant is below reporting threshold. [N.J.A.C. 7:27-22.16(o)]	None.
5	Total Material Transferred <= 600 lb/hr of pigmented resin pellets, from BOP170002. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain records showing maximum equipment capacity.[N.J.A.C. 7:27-22.16(o)].	None.
6	Total Material Transferred <= 2,628 tons/yr of pigmented resin pellets, from BOP170002. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain records showing the annual tons/yr throughput.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U54 Resin Extrusion Process

Operating Scenario: OS5 Resin Extruder

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.99 lb/hr based on 0.02 grains per scf. [N.J.A.C. 7:27-6.2(a)]	None.	None.	None.
2	Opacity <= 20 % , exclusive of condensed water vapor, except for 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] and [N.J.A.C. 7:27- 6.2(e)]	Opacity: Monitored by visual determination each month during operation. A certified opacity reader shall conduct visual opacity inspections during daylight hours in accordance with N.J.A.C. 7:27B-2. [N.J.A.C. 7:27- 6.3(c)]	Opacity: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Record and retain the following: (1) Date and time of inspection; (2) Emission Point number; (3) Operational status of equipment; (4) Observed results and conclusions; (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2.5 Required Observation Data, including Plume Observation Record (Form AIR-14, Appendix 1); and (8) Name of person(s) conducting inspection. [N.J.A.C. 7:27- 6.3(c)]	None.
3	VOC (Total) <= 0.15 lb/hr based on the maximum equipment capacity and emission factors from the Journal of Air & Waste Management Association, from BOP170002. [N.J.A.C. 7:27-22.16(a)]	VOC (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	VOC (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Maintain emission calculation records, based on the maximum equipment capacity, showing the maximum hourly emission rate. [N.J.A.C. 7:27-22.16(o)]	None.
4	TSP <= 0.06 lb/hr based on the maximum equipment capacity and emission factors from the Journal of Air & Waste Management Association, from BOP170002. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Maintain emission calculation records, based on the maximum equipment capacity, showing the maximum hourly emission rate. [N.J.A.C. 7:27-22.16(o)]	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
5	PM-10 (Total) $\leq$ 0.06 lb/hr based on the maximum equipment capacity and emission factors from the Journal of Air & Waste Management Association, from BOP170002. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Maintain emission calculation records, based on the maximum equipment capacity, showing the maximum hourly emission rate. [N.J.A.C. 7:27-22.16(o)]	None.
6	PM-2.5 (Total) $\leq$ 0.06 lb/hr based on the maximum equipment capacity and emission factors from the Journal of Air & Waste Management Association, from BOP170002. [N.J.A.C. 7:27-22.16(a)]	PM-2.5 (Total): Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	PM-2.5 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Maintain emission calculation records, based on the maximum equipment capacity, showing the maximum hourly emission rate. [N.J.A.C. 7:27-22.16(o)]	None.
7	Formaldehyde $\leq$ 0.00118 lb/hr based on the maximum equipment capacity and emission factors from the Journal of Air & Waste Management Association, from BOP180001. [N.J.A.C. 7:27-22.16(a)]	Formaldehyde: Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Formaldehyde: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Maintain emission calculation records, based on the maximum equipment capacity, showing the maximum hourly emission rate. [N.J.A.C. 7:27-22.16(o)]	None.
8	Total Material Transferred $\leq$ 50 tons/hr. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain records showing maximum equipment capacity. [N.J.A.C. 7:27-22.16(o)].	None.
9	Total Material Transferred $\leq$ 3,750 tons/yr of resin based on maximum equipment capacity and 8760 hr/yr, from BOP170002. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain records showing the annual tons/yr throughput. [N.J.A.C. 7:27-22.16(o)].	None.
10	The owner or operator shall monitor that the indicator light is on while CD40 is in operation to show high voltage is present. [N.J.A.C. 7:27-22.16(a)]	Monitored by visual determination once per calendar day during operation. The owner or operator shall monitor the indicating light based on manufacturer's recommendations. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system once per calendar day during operation. [N.J.A.C. 7:27-22.16(o)]	None.
11	The owner or operator shall inspect and maintain the electrostatic precipitator CD40 in accordance with the manufacturer's recommendations. [N.J.A.C. 7:27-22.16(a)]	None.	Recordkeeping by manual logging of parameter or storing data in a computer data system upon occurrence of event. Record each inspection and maintenance event. [N.J.A.C. 7:27-22.16(o)]	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U54 Resin Extrusion Process

Operating Scenario: OS6 Cooling Tower / Cooling Water Tank

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 1.83 lb/hr based on 0.02 grains per scf. [N.J.A.C. 7:27-6.2(a)]	None.	None.	None.
2	Opacity <= 20 % , exclusive of condensed water vapor, except for 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] and [N.J.A.C. 7:27- 6.2(e)]	None.	None.	None.
3	No Visible Emissions, exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	Maximum emission rate of VOC, TSP, PM-10, and PM-2.5 are below reporting threshold of 0.05 lb/hr in Appendix to N.J.A.C. 7:27-22, from BOP170002. [N.J.A.C. 7:27-22.16(a)]	Monitored by calculations once initially. [N.J.A.C. 7:27-22.16(o)]	Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Maintain emission calculation records, based on the maximum cooling tower circulation water flowrate, showing that the PTE for each air contaminant is below reporting threshold. [N.J.A.C. 7:27-22.16(o)]	None.
5	Cooling tank circulation water flowrate <= 220 gallons per minute (gpm). [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain records showing maximum cooling tank circulation water flowrate.[N.J.A.C. 7:27-22.16(o)].	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Emission Unit: U54 Resin Extrusion Process

Operating Scenario: OS7 Polypropylene Pellet Silo

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
1	Particulate Emissions <= 0.5 lb/hr based on 0.02 gr/dscf and 1200 acfm. [N.J.A.C. 7:27-6.2(a)]	None.	None.	None.
2	Opacity <= 20 % , exclusive of condensed water vapor, except for 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-6.2(d)] and [N.J.A.C. 7:27- 6.2(e)]	Opacity: Monitored by visual determination each month during operation (i.e., during loading or unloading operation). A certified opacity reader shall conduct visual opacity inspections during daylight hours in accordance with N.J.A.C. 7:27B-2. [N.J.A.C. 7:27- 6.3(c)]	Opacity: Recordkeeping by manual logging of parameter or storing data in a computer data system each month during operation. Record and retain the following: (1) Date and time of inspection; (2) Emission Point number; (3) Operational status of equipment; (4) Observed results and conclusions; (5) Description of corrective action taken if needed; (6) Date and time opacity problem was solved, if applicable; (7) N.J.A.C. 7:27B-2.5 Required Observation Data, including Plume Observation Record (Form AIR-14, Appendix 1); and (8) Name of person(s) conducting inspection. [N.J.A.C. 7:27- 6.3(c)]	None.
3	No Visible Emissions, exclusive of condensed water vapor, except for no more than 3 minutes in any consecutive 30-minute period. [N.J.A.C. 7:27-22.16(a)]	None.	None.	None.
4	TSP <= 0.195 lb/hr based on the 0.02 gr/dscf and manufacturer airflow capacity. [N.J.A.C. 7:27-22.16(a)]	TSP: Monitored by calculations once initially based on the manufacturer bin vent airflow capacity, and outlet grain loading. [N.J.A.C. 7:27-22.16(o)]	TSP: Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Maintain record of emission calculation and supporting vendor data. [N.J.A.C. 7:27-22.16(o)]	None.
5	PM-10 (Total) <= 0.195 lb/hr based on the 0.02 gr/dscf and manufacturer airflow capacity. [N.J.A.C. 7:27-22.16(a)]	PM-10 (Total): Monitored by calculations once initially based on the manufacturer bin vent airflow capacity, and outlet grain loading. [N.J.A.C. 7:27-22.16(o)]	PM-10 (Total): Recordkeeping by manual logging of parameter or storing data in a computer data system once initially. Maintain record of emission calculation and supporting vendor data. [N.J.A.C. 7:27-22.16(o)]	None.



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**New Jersey Department of Environmental Protection  
Facility Specific Requirements**

Ref.#	Applicable Requirement	Monitoring Requirement	Recordkeeping Requirement	Submittal/Action Requirement
6	PM-2.5 (Total) <= 0.195 lb/hr based on PM10 emissions. [N.J.A.C. 7:27-22.16(a)]	None.	PM-2.5 (Total): Recordkeeping by the maximum equipment design capacity.[N.J.A.C. 7:27-22.16(o)].	None.
7	Raw materials limited to resin pellets, pigmented resin pellets. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by reviewing raw material delivery records per delivery.[N.J.A.C. 7:27-22.16(o)].	Other: Maintain invoices, billing of lading, and/or MSDS sheets for raw materials received.[N.J.A.C. 7:27-22.16(o)].	None.
8	Total Material Transferred <= 50 tons/hr of resin pellets, pigmented resin pellets based on manufacturer specifications and maximum equipment design capacity. [N.J.A.C. 7:27-22.16(a)]	None.	Other: Maintain records of manufacturer specifications showing the maximum equipment design capacity.[N.J.A.C. 7:27-22.16(o)].	None.
9	Total Material Transferred <= 438,000 tons/yr of resin pellets, pigmented resin pellets based on maximum equipment capacity and 8760 hr/yr. [N.J.A.C. 7:27-22.16(a)]	Other: Monitored by Bills of Lading which shows the amount of resin pellets loaded to silo per delivery.[N.J.A.C. 7:27-22.16(o)].	Total Material Transferred: Recordkeeping by manual logging of parameter or storing data in a computer data system per delivery Record the following information and maintain all bills of lading: 1. Delivery date and amount of resin pellets loaded (tons). 2. Total resins amount (tons) year to date. [N.J.A.C. 7:27-22.16(o)]	None.



## FUGITIVE PM MANAGEMENT PLAN

Georgia-Pacific Gypsum LLC.  
CAMDEN, NEW JERSEY

January 2018

### **1.0 INTRODUCTION AND SCOPE**

A Fugitive PM Management Plan (“Plan”) has been developed to identify the best management control measures that will be implemented to minimize the release of fugitive PM emissions at Georgia-Pacific Gypsum LLC (GP) Camden, New Jersey Plant (“Plant”). The Plan and best management control practices were developed in accordance with standard fugitive PM practices and guidance set forth by EPA.

This Plan presents the best management practices (BMP) measures for fugitive PM emissions, which will be implemented by GP. The Plan includes the following elements:

- a. A general description of facility site location and process operations;
- b. Identification of the sources of outside fugitive PM emissions;
- c. Procedures for employee training;
- d. A description of the applicable BMPs as applied to each of the fugitive PM source categories identified herein;
- e. Procedures for inspection, maintenance, and corrective measures; and
- f. Program scheduling, reporting and Force Majeure issues.

A general description of the Plant site location and operations is presented in Section 2. Plant wide fugitive PM emission sources are identified in Section 3. The BMP measures are outlined in Section 4. The BMP measures identify the specific fugitive PM control practices that will be implemented for each fugitive PM emission source category. Section 5 provides fugitive PM management program scheduling, reporting and Force Majeure issues.

### **1.1 Fugitive PM Management Team**

A Plan Management Team will be established and comprised of plant personnel. The Plan Management Team will be responsible for ensuring that the requirements of the Plan are implemented. The Plant Manager will have the overall responsibility for providing resources for this Plan. The team will be comprised of the following named positions:

- a. Plant Manager
- b. Environmental Manager

The Plan Management Team will review the plan semiannually following NJDEP's acceptance of the Plan. The Team will review the overall effectiveness of this Plan and will also review the implementation schedule provided in Section 5, Table 5-1 to ensure that tasks are accomplished in a timely manner. If necessary, the Team will take corrective actions to address any deficiencies and the Plan will be revised where appropriate.



## **1.2 Revisions to the Plan**

The plan may require future revisions to reflect equipment and operational changes. Any future revisions (consisting of revised text, page number and date of revision) to the Plan shall be submitted to the NJDEP Regional Enforcement Officer for review.



## **2.0 GENERAL OVERVIEW OF OPERATIONS**

### **2.1 Site Description**

GP operates a Gypsum manufacturing plant at 1101 South Front Street in the City of Camden, Camden County, New Jersey. The facility is located adjacent to the Delaware River and is operated 24 hours a day, seven days a week. The entire site is surrounded by a chain link fence, and there is 24 hour a day security. The location is depicted on the Location Map in figure # 1.

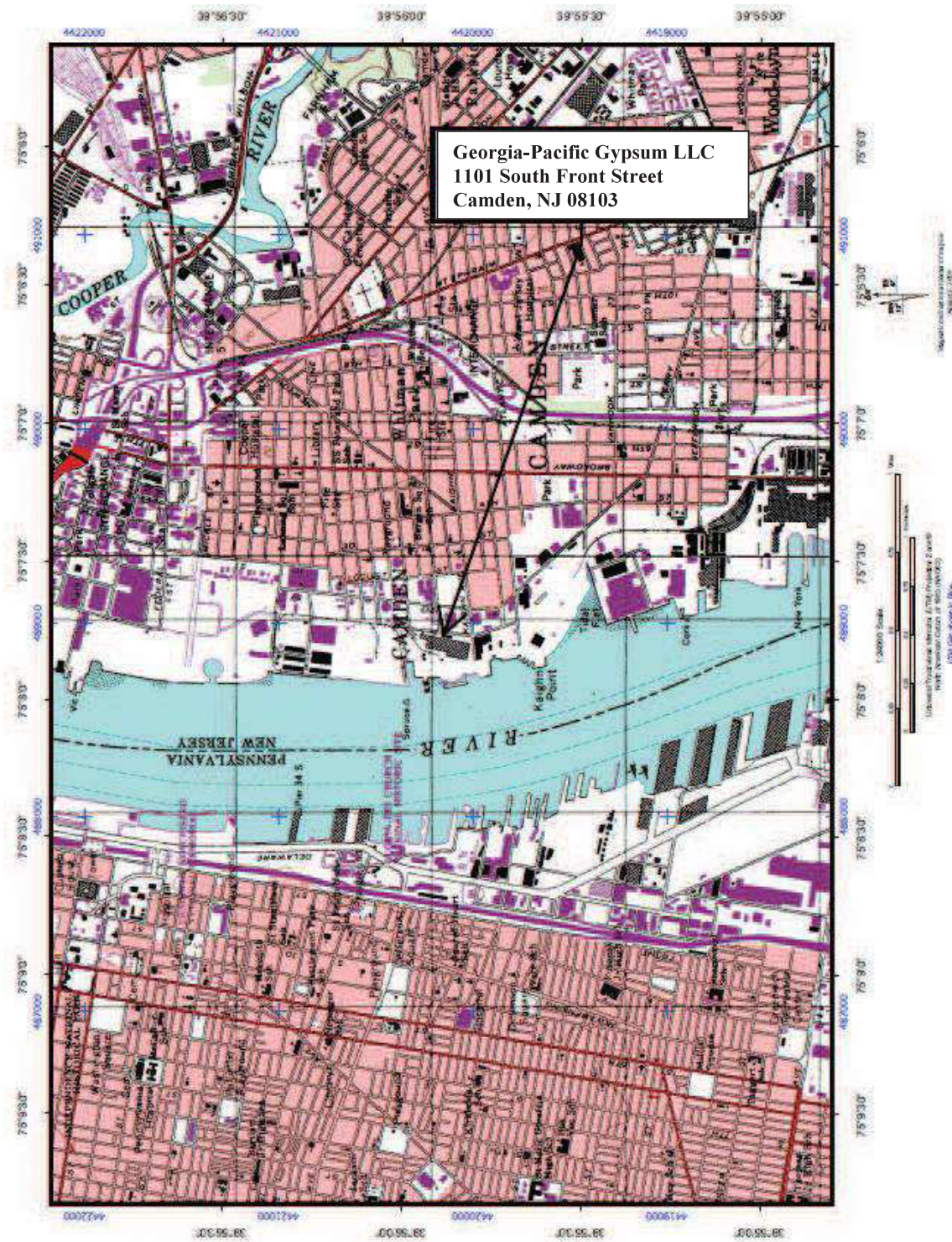
The site extends from approximately 250 feet north of the intersection of Walnut Street and South Front Street to the intersection of Kaighn Avenue and Front Street. Prominent structures at the site include an idled wallboard manufacturing plant, an office building, a gypsum rock storage area, a vehicle wash down building and two above ground storage tanks (AST). The site includes approximately 730 feet of shoreline on the Delaware River.

### **2.2 General Description of Operations**

The GP plant manufactures gypsum products from raw gypsum rock, which is brought to the site by ship. The gypsum rock is stored in a large bulk storage pile on the west side of the plant site. The process involves crushing the rock in an enclosed building and producing various gypsum products.



Figure 1 Site Location Map





### **3.0 FUGITIVE PM EMISSION SOURCES**

This section identifies the various operations and the variables that have the potential to generate fugitive PM emissions at the Plant. The location of these sources within the Plant is identified in Figure 2 (GP Plot Plan). Control measures for these sources are identified in Section 4.

#### **3.1 Outdoor Fugitive Emissions**

##### **3.1.1 Material Storage Piles**

A material storage pile is any mound of material placed in an outdoor location. The storage piles located on the west side of the facility are uncovered due to the ship unloading process and the frequent necessity to transfer the material between storage and processing. Material from these piles is transferred into the process with the use of heavy mobile equipment. Any fugitive PM generated from these storage piles may result from three activities: 1) ship unloading of the gypsum raw material onto the piles; 2) excessive weather/wind disturbance of the piles; and 3) and removal of material from the piles.

Wind erosion of storage piles can contribute to fugitive PM emissions. Wind erosion occurs when wind gusts strikes the surface. The intensity of wind eroded emissions depends upon the size distribution of the material, its moisture content, wind speed and direction, as well as the size and height of the pile.

##### **3.1.2 Material Handling**

Material handling is the description given to the movement of raw and process materials to and from receiving, storage, and process locations. Material handling is a combination of loading, transfer, conveying and unloading operations. The types of loading and unloading operations at the Plant include handling by heavy equipment. The transfer and conveying of materials are accomplished with belt conveyors, bucket elevators and screw conveyors.

##### **3.1.3 Unpaved Surfaces**

The unpaved area includes the gypsum raw material and reclaim storage areas on the west side of the site. The fugitive PM emissions from unpaved surfaces depends upon the moisture content of the surface, frequency of traffic, vehicle speed and weight, and number of tires on the vehicle.



**LEGEND**

- BUILT
- PLANNED
- EXISTING PAVING
- ▭ PROPOSED OUTLINES

**NOTES**

1. OUTLINE INFORMATION TAKEN FROM A PLAN DATED 1964. MANUFACTURING PLANT - ALONG 100' LOTS 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 80



#### **3.1.4 Paved Surfaces**

Fugitive PM emissions may be generated from paved surfaces from vehicle activity. Among the sources of fugitive PM emissions from paved surfaces are:

- a. Carryout or tracking of mud and dirt from unpaved surfaces (generally minimal). This is controlled by maintaining dedicated mobile equipment within the gypsum storage pile area for managing the pile to reduce tracking of material outside of the storage pile zone. A small amount of material may be tracked outside of the area when the equipment is in need of service.
- b. Wind-blown fugitive PM emissions from nearby sources.

### **3.2 Variables that Influence Fugitive PM Emissions**

A variety of factors and conditions may affect fugitive emission levels and have been taken into consideration when determining plan control measures to be implemented at the Plant. The influencing factors include some of the following:

#### **3.2.1 Type of Equipment and Operations Employed**

Mobile equipment may generate fugitive emissions. Fugitive PM emissions from truck transport vehicles depend on the degree of material deposits, the weight of the vehicle, number of tires, traffic speed and moisture content of the roadway

#### **3.2.2 Weather conditions**

Emissions can vary according to changes in humidity and air and ground temperature. Fugitive emission levels may increase with high winds and during the summer months because of a higher evaporation rate, reduced surface moisture content and de-agglomeration of road deposits from vehicular traffic.



## **4.0 BEST MANAGEMENT PRACTICES**

### **4.1 General Description**

Best Management Practices are general practices that are inexpensive, relatively simple, and applicable to a wide variety of activities. These practices shall be employed at the Plant to minimize fugitive PM emissions. BMP practices address the following general areas:

- a. Employee Training
- b. Good Housekeeping Practices
- c. Preventive Maintenance Program
- d. Monthly Inspection Program
- e. Plant Specific BMPsSource category specific BMP practices are provided in Section 4.6.

### **4.2 Employee Training**

The Plan is based on a joint commitment by management and employees to implement BMPs. Accordingly, GP Camden will train management and employees to conduct activities in a manner which minimizes fugitive PM emissions.

Training shall be provided to individuals who are involved with operations relating to fugitive PM emission sources. Training will be performed on annual basis. New employees involved with Plan procedures will be trained within 90 days of employment. Records of the frequency, and names of the individuals trained shall be maintained with the facility's Training Records for a period of at least five years.

Employee training shall address the following elements:

- a. Objectives of the Plan
- b. Identification of potential fugitive PM sources
- c. Geographical features, including nearest neighbors
- d. Wind and seasonal factors that affect fugitive PM migration
- e. Best Management Practices
- f. Preventative Maintenance
- g. Employee's responsibility for implementation and compliance
- h. Review of significant fugitive PM incidents, if any.
- i. Good Housekeeping Practices

### **4.3 Good Housekeeping Practices**

The Plant will assure that good housekeeping practices are followed inside and outside all process buildings as a preventative measure to minimize the potential for the creation of fugitive PM. Good housekeeping is essentially the maintenance of a clean, orderly work environment and contributes to the overall plant pollution control effort. The maintenance of a clean, orderly facility reduces the possibility of accidents, product losses and fugitive PM emissions.

Elements of the Plant's Good Housekeeping practices will include:

- a. Neat and orderly storage of materials, bags, and drums;



- b. Regular cleanup of material spillage, inside and outside of the process buildings, as necessary to minimize outside fugitive PM;
- c. Sweeping around obstacles in the paved road surface areas identified in Figure 2, as needed, weather permitting.
- d. Providing training to employees about good housekeeping; and
- e. Monthly inspections of indoor and outdoor Plant areas to identify those areas that may require additional attention.

#### **4.4 Preventative Maintenance Program**

An effective preventive maintenance (“PM”) program is important not only for operational reasons, but also to provide a degree of environmental protection because equipment malfunctions have the potential for releases to the environment. The Plant will implement a PM program to ensure that fugitive PM control equipment is kept in a well-maintained condition. The PM program will include inspection and maintenance of plant fugitive PM control equipment. The elements of the PM program will include the following:

- a. Identification of control equipment or systems (a list of all control devices can be found at the end of this plan) to which the PM program should apply;
- b. Periodic inspections of identified equipment and systems; and
- c. Maintenance of completed PM records on the control equipment and systems.

##### **4.4.1 Baghouse Preventative Maintenance**

PM procedures are scheduled to be performed on each baghouse with an outdoor stack. The following areas will be inspected if applicable:

- Clean Air Side (check for powder buildup and moisture)
- Bag Condition
- Door Seals, if applicable
- Leaks
- Pulse Air System
- Outlet Dampers, if applicable
- Suction Lines
- Bag Seals
- Differential pressure
- Inlet Dampers, if applicable

#### **4.5 Monthly Inspection Program**

GP has developed a program to monitor the effectiveness of the BMPs and to assist with the implementation and compliance of the Plan. Monthly visual inspections will be conducted to 1) observe fugitive PM emission sources without controls and associated areas; 2) identify equipment and/or conditions that may require corrective action as indicated in the Plan; and 3) assess the overall effectiveness of the control measures, including good housekeeping practices. The inspection program includes: 1) Monthly inspection procedures; 2) corrective action response procedures, and 3) recordkeeping procedures. Monthly inspections will be conducted by the Environmental coordinator, or a member of the Team. All inspections will be documented on the



appropriate inspection forms provided in Appendix A. The completed forms will be maintained on-site for a period of not less than five years.

Inspections shall be conducted only on those equipments without controls and plant areas identified in Section 3. If the visual inspections indicate conditions that a particular piece of equipment needs attention, the corrective action practices outlined in Section 4.5.1 below will be implemented.

*A. Monthly Inspections Defined*

Monthly inspections are defined herein to include one (1) inspection per month. The monthly frequency may be adjusted depending upon holiday and/or work schedules.

*B. Monthly Inspection Program - General*

Monthly visual inspections will be conducted for conditions or faulty equipment that has the potential to cause fugitive PM emissions. The inspection program will include material storage and handling areas, loading and unloading areas, processing areas, and control equipment. Point source and outdoor fugitive (Plant roads and yards) emissions inspection forms are provided in Appendix A.

*C. Daily Point Source PM Collector Inspection Program*  
*The following applies to sources that are in operation.*

- The baghouses will be inspected daily and differential pressure recorded.

In addition, these sources will also be inspected monthly to ensure:

- no excessive pressure drop is present across baghouses
- inspection of doors and cover to ensure they are closed tightly
- all rotary valves are working properly
- no baghouses are being bypassed

If the inspections indicate a problem with a particular control device or if a piece of equipment needs attention, the corrective measures will be implemented and the work will be recorded in the plant's Maintenance computer log.

*D. Monthly Plant Roads and Yards Inspection*

All onsite areas outside of the process buildings will be inspected on a monthly basis. Good housekeeping, and storage pile conditions will be recorded on the monthly inspection report form provided in Appendix A.

**4.5.1 Corrective Action Procedures**

If any inspections or routine observations reveal issues, a course of action to solve or clean up will be developed following the inspection or observation. Depending on whether the problem necessitates immediate response, the inspector may recommend follow-up actions. If a problem can be corrected immediately utilizing available personnel, the Supervisor will initiate corrective measures. If the problem cannot be corrected within the shift that the problem was noted, then the



Department Supervisor will be responsible for developing an appropriate corrective action. Most fugitive PM control problems will be corrected within one week of discovery. For all fugitive PM control equipment problems which cause off-property effects, including odors, or which might reasonably result in citizen's complaints, NJDEP will be notified within 48 hours of the problem discovery by calling the NJDEP 24-hour hotline at 1-877-WARNDEP (1-877-927-6337). Within two (2) weeks of the discovery, a written notification will be sent to NJDEP Bureau of Air Compliance and Enforcement's Southern Regional Office detailing the nature of the problem and the step(s) taken to solve the problem. If the problem still persists at the time of writing the notification, the letter should include the reason and schedule to solve the problem. If the problem results in an emission that is believed to be in violation of an air permit or N.J.A.C. 7:27-5 (Prohibition of Air Pollution), then that process will be shut down until corrections can be made.

#### **4.5.2 Recordkeeping**

GP will maintain all records related to the Plan for a period of five years. The Plan records shall be maintained by the Environmental Department Manager or designee and shall be made available to the NJDEP as requested during inspections. Plan records will include the following:

- a. Monitoring and Inspection Records
- b. Preventive Maintenance for baghouses
- c. Training Records

#### **4.6 Plant and Area Specific BMP Practices**

The following BMP practices will be implemented for the point source and fugitive PM emission sources at the GP Plant.

##### **4.6.1 Material Storage Piles**

###### **A. Operational Precautions**

1. Instruct heavy equipment operators to load, lift, haul and dump in a manner that minimizes fugitive PM emissions.
  - a. Minimize the drop height of front-end loader buckets.

2. Restrict load, lift haul and dumping activities during high wind conditions as appropriate based upon team judgment or designee.

###### **B. High Wind Fugitive PM Control Procedures**

When it is observed by the front-end loader operator that fugitive emissions are moving from the Plant to a location offsite, the following procedures will be followed:

1. Immediately notify a member of the team:
2. A member of the team or designee will determine the source. If needed, the team will determine if the storage yard operations should cease based on the following criteria:



- a. Proximity of operations to property line.
- b. Potential offsite impact

3. If operations continue during windy conditions based on the factors described above, then:

- a. A member of the team or designee will monitor the storage yard operations until the wind speed and direction to make sure there are no off-site impacts.

#### **4.6.2 Unpaved Surfaces**

Approximately 60% of the Plant's surfaces are paved. The only unpaved area is the Gypsum and reclaim storage pile areas. This area, which is several feet below local grade, is not traveled by contractor truck, only by bucket wheel loader or similar type of construction equipment. Fugitive fugitive PM generation on this unpaved area is insignificant, therefore, no plans for paving or wetting have been proposed.

##### **A. Good Housekeeping**

- 1. Clean spills as necessary to minimize outside fugitive PM emissions. Any significant spills that are contributing or believed to have the potential to significantly contribute to an offsite fugitive PM emission will be cleaned within twenty-four hours to minimize such an impact. However, if a spill occurs that has a significant offsite impact and is too large for the Plant to clean up, requiring outside assistance, the spill will be cleaned up as soon as possible. In addition NJDEP will be notified within 48 hours of the problem discovery by calling the NJDEP 24-hour hotline at 1-877-WARNDEP (1-877-927-6337). Within two (2) weeks of the discovery, a written notification will be sent to NJDEP Bureau of Air Compliance and Enforcement's Southern Regional Office detailing the nature of the problem and the step(s) taken to solve the problem. If the problem still persist at the time of writing the notification, the letter should include reason for the problem persistence or reason for the delay in solving the problem and the estimated time for completion.

#### **4.6.3.1.1 Paved Surfaces**

##### **A. Good Housekeeping**

Sweep paved road surfaces or a water truck will be used on a periodic basis. In winter months, sweeping will be done as weather permits (sweeper truck equipment will not operate in ice, snow and standing water conditions).

##### **B. Dedicated Mobile Equipment**

Mobile equipment dedicated to the storage piles area reduces the amount of material tracked onto the paved surfaces and the associated fugitive emissions from the pavement. The equipment may leave the storage pile area for maintenance.



#### **4.6.4 Fugitive PM Collectors and Point Source Emissions**

- A. Operational Precautions and Measures
  - 1. Maintain baghouses and point source emissions in accordance with air quality permit conditions, and design specifications.
- B. Monitoring
  - 1. Pressure drop readings on magnehelic gauges are monitored daily.
- C. Inspections
  - 1. Institute a monthly inspection program to inspect all baghouses and point source emissions.
- D. Preventive Maintenance
  - 1. Institute a preventive maintenance program for all baghouses as described in Section 4.4.

#### **4.6.5 Good Housekeeping**

- A. Good Housekeeping Practices
  - 1. Implement good housekeeping practices as described in Section 4.3 including:
    - a. Neat and orderly storage of materials, bags and drums.
    - b. Prompt cleanup of material spillage and fugitive PM accumulation (i.e. inside buildings & outdoors) as necessary to minimize outside fugitive PM emissions.
    - c. Recycle collected material from clean-up areas, where possible.
    - d. Ongoing clean-up as necessary to minimize outside fugitive PM emissions.

#### **4.6.6 Monthly Inspections**

- A. Inspections
  - 1. Institute the monthly inspection program as described in Section 4.4 and Appendix A.

#### **4.6.7 Employee Training**

- A. Employee Training
  - 1. Train employees on an annual basis on practices as described in Section 4.2.
  - 2. New employees involved with Plan procedures will be trained on the aspects of the Plan within 90 days of employment.

#### **4.6.8 Recordkeeping**

- A. Recordkeeping
  - 1. Maintain records including:
    - a. Monitoring and Inspection Records
    - b. Preventive Maintenance for baghouses



c. Training Records

2. Records shall be maintained onsite for five (5) years and made available to the NJDEP upon request.

**5.0 FUGITIVE PM MANAGEMENT PROGRAM SCHEDULING AND REPORTING**

**5.1 Implementation of Plan**

The BMPs in this Plan will be implemented to minimize fugitive PM emissions released to the environment. This Plan identifies present and future fugitive PM control measures. In such cases, a schedule is provided, which contains start dates, in Table 5-1.

**5.2 Force Majeure**

Occasional gaps in the sweeping and inspection programs may occur due to circumstances beyond the reasonable control of the Plant. These circumstances include periods of rain (when there would be no fugitive emissions) or in icy or snowfall conditions.



**TABLE 5-1**

Georgia-Pacific Gypsum LLC  
CAMDEN, NEW JERSEY

FUGITIVE PM MANAGEMENT PLAN

*Implementation Schedule for  
Additional or Improved Fugitive PM Control Measures*

**REVISED APPENDIX A IMPLEMENTATION**

1. Initiate use of inspection form according to Fugitive PM Management Plan.

**Start Date**  
*within 30 days  
of approval*



# Appendix A

Form last updated January 2018					
<b>Worksheet 5</b> <b>Monthly Inspection Checklist</b> <b>G-P Gypsum</b> <b>Camden, New Jersey</b>					
<input type="checkbox"/> <b>Dry Weather Inspection</b>			<input type="checkbox"/> <b>Wet Weather Inspection</b>		
<b>Inspected By:</b> <b>Title:</b>			<b>Date:</b>		
<b>Item No.</b>	<b>Item</b>	N/A	Y	N	<b>Comments/Resolution of Problems</b>
<b>Note: For any item answered "N", describe in the right-hand column.</b>					
<b>Readily Implementable BMPs – SPCC AREAS</b>					<b>STORMWATER BMP</b>
SP-1	Are potential spill areas identified in your SPCC plan?				
SP-2	Are area specific spill response measures prominently displayed in these areas?				
SP-3	Do previous spills in the areas appear to have been adequately addressed? If not, describe and list the outfalls that the areas drain to.				
SP-4	Are adequate supplies of spill response materials and equipment readily available?				
SP-5	Does the facility have specific spill prevention and response procedures developed?				
SP-6	Is there a valid SPCC Plan?				
<b>Corrective Action Procedures</b>					<input type="checkbox"/> Not Applicable
<input type="checkbox"/> Immediate Response 1. Immediately utilizing available personnel. Supervisor initiating corrective action: _____ <input type="checkbox"/> Inspector Recommending Follow-up Actions 1. To be corrected outside of the shift the problem was noted. WO#: _____					
<b>Readily Implementable BMPs – GOOD HOUSEKEEPING</b>					<b>STORMWATER BMP</b>
GH-1	Is Good Housekeeping maintained in all outside areas?				
GH-2	Is Good Housekeeping maintained in all indoor production areas?				
GH-3	Is cleanup conducted immediately after discovery of leaks and spills?				
GH-4	Is careful material storage practiced?				
GH-5	Is equipment operating properly and maintained?				
GH-6	Does the facility maintain an up-to-date material inventory?				
GH-7	Do work areas seem to be well organized?				
GH-8	Must any work area garbage containers be emptied?				
GH-9	Are dry and clean floors being maintained?				
GH-10	Have employees been trained on good housekeeping practices?				
<b>Corrective Action Procedures</b>					<input type="checkbox"/> Not Applicable
<input type="checkbox"/> Immediate Response 1. Immediately utilizing available personnel. Supervisor initiating corrective action: _____ <input type="checkbox"/> Inspector Recommending Follow-up Actions 1. To be corrected outside of the shift the problem was noted. WO#: _____					
<b>Site Specific BMPs – STORMWATER DRAINAGE SYSTEM</b>					<b>STORMWATER BMP</b>
	Are stormwater devices being maintained to eliminated the influx of river water into the facility's stormwater drainage system?				
<b>Corrective Action Procedures</b>					<input type="checkbox"/> Not Applicable
<input type="checkbox"/> Immediate Response 1. Immediately utilizing available personnel. Supervisor initiating corrective action: _____ <input type="checkbox"/> Inspector Recommending Follow-up Actions 1. To be corrected outside of the shift the problem was noted. WO#: _____					
<b>Site Specific BMPs – MATERIALS TRACKING</b>					<b>STORMWATER BMP</b>
	[True (Y) or False (N)]: No visible tracking of the raw and/or processed gypsum material outside the drainage control area or from the facility onto municipal, county or state roads is occurring.				



## Appendix A

<b>Corrective Action Procedures</b>					<input type="checkbox"/> Not Applicable
<input type="checkbox"/> Immediate Response 1. Immediately utilizing available personnel. Supervisor initiating corrective action: _____					
<input type="checkbox"/> Inspector Recommending Follow-up Actions 1. To be corrected outside of the shift the problem was noted. WO#: _____					
<b>Site Specific BMPs – GYPSUM ROCK BULK STORAGE PILE</b>					<b>STORMWATER BMP</b>
	[True (Y) or False (N)]: The Gypsum Rock Bulk Storage Pile is bermed in such a manner as to eliminate stormwater run-through.				
<b>Corrective Action Procedures</b>					<input type="checkbox"/> Not Applicable
<input type="checkbox"/> Immediate Response 1. Immediately utilizing available personnel. Supervisor initiating corrective action: _____					
<input type="checkbox"/> Inspector Recommending Follow-up Actions 1. To be corrected outside of the shift the problem was noted. WO#: _____					
<b>Site Specific BMPs – CATCH BASIN MAINTENANCE</b>					<b>STORMWATER BMP</b>
	Does each stormwater inlet catch basin have a fabric filter (diaper) installed?				
	[True (Y) or False (N)]: Filter fabric must be replaced to ensure maximum sediment and debris removal.				
<b>Corrective Action Procedures</b>					<input type="checkbox"/> Not Applicable
<input type="checkbox"/> Immediate Response 1. Immediately utilizing available personnel. Supervisor initiating corrective action: _____					
<input type="checkbox"/> Inspector Recommending Follow-up Actions 1. To be corrected outside of the shift the problem was noted. WO#: _____					
<b>Site Specific BMPs – SWEEPING</b>					<b>STORMWATER BMP</b>
	Are outdoor areas of industrial activity swept at the end of each active work day and prior to predicted rain events? ( <i>Sweeping is not required if a rain event occurs prior to or during an active, and the facility is left in a state where sweeping is impractical.</i> )				
<b>Corrective Action Procedures</b>					<input type="checkbox"/> Not Applicable
<input type="checkbox"/> Immediate Response 1. Immediately utilizing available personnel. Supervisor initiating corrective action: _____					
<input type="checkbox"/> Inspector Recommending Follow-up Actions 1. To be corrected outside of the shift the problem was noted. WO#: _____					
<b>Stormwater BMPs</b>					<b>STORMWATER BMP</b>
	[True (Y) or False (N)]: None of the following are exposed to storm water onsite: Section 313 chemicals, treated lumber, coal piles, salt piles, formal or informal landfills. If false, describe which are exposed to storm water.				
	Is rock berm along riverfront intact and in good condition?				
	Is terrain grading preventing sediment from leaving the property?				
	Is paving intact to prevent sediment runoff?				
	Are trash and scrap metal dumpsters regularly picked up?				
	Are areas downstream of drainage outfalls free gypsum, sediment, etc.?				
	If outfalls leaving property are flowing during dry weather (check N/A if none are flowing), is flow due to permitted non-storm water discharge? If not, describe source of flow (for example, groundwater, unpermitted non-storm water discharge, etc.)				
<b>Corrective Action Procedures</b>					<input type="checkbox"/> Not Applicable
<input type="checkbox"/> Immediate Response 1. Immediately utilizing available personnel. Supervisor initiating corrective action: _____					
<input type="checkbox"/> Inspector Recommending Follow-up Actions 1. To be corrected outside of the shift the problem was noted. WO#: _____					
<b>(INDOORS) ABOVE GROUND MAINTENANCE STORAGE TANKS (Lube Storage &amp; Filtration Room)</b>					<b>STORMWATER SOURCE MATERIAL</b>
TS-1	Are tanks free of excessive rust or other signs of compromised tank integrity?				
TS-3	[True (Y) or False (N)]: There is no evidence of a release.				
TS-2	Are all pumps, valves, hoses, piping, etc. intact and operating properly?				
TS-3	Are all pumps and valves closed and/or locked when not in use?				
TS-4	Is the secondary containment system free of cracks, holes, or other breaches?				
TS-5	Is the secondary containment system free of oil?				
LU-1	Do previous spills in the areas appear to have been adequately addressed? If not, describe and list the outfalls that the areas drain to.				



## Appendix A

LU-2	Are high level alarms or indicators in good working order?				
<b>Corrective Action Procedures</b>					<input type="checkbox"/> Not Applicable
<input type="checkbox"/> Immediate Response 1. Immediately utilizing available personnel. Supervisor initiating corrective action: _____					
<input type="checkbox"/> Inspector Recommending Follow-up Actions 1. To be corrected outside of the shift the problem was noted. WO#: _____					
<b>(INDOORS) OIL-WATER SEPARATORS (for Air Compressors)</b>					<b>STORMWATER SOURCE MATERIAL</b>
OW-1	Are all pumps and float switches operating properly?				
OW-2	Are oil-water separators clean and free of debris and other substances?				
OW-3	[True (Y) or False (N)]: No oil is being carried over with water.				
OW-4	[True (Y) or False (N)]: No water is being carried over with oil.				
OW-5	[True (Y) or False (N)]: There is no evidence of a release.				
OW-6	Do previous spills in the areas appear to have been adequately addressed?				
<b>Corrective Action Procedures</b>					<input type="checkbox"/> Not Applicable
<input type="checkbox"/> Immediate Response 1. Immediately utilizing available personnel. Supervisor initiating corrective action: _____					
<input type="checkbox"/> Inspector Recommending Follow-up Actions 1. To be corrected outside of the shift the problem was noted. WO#: _____					
<b>(INDOORS) DRUM STORAGE AREAS</b>					<b>STORMWATER SOURCE MATERIAL</b>
<b>LOCATIONS INSPECTED:</b>					
DS-1	Are all drums stored inside?				
DS-1	Are drums stored on pallets or racks above the ground surface?				
TS-3	[True (Y) or False (N)]: There is no evidence of a release.				
DS-3	Are there fewer than 5 total drums that are in active use in the plant?				
DS-4	Are drums intact? If not, describe any leakage.				
DS-5	Are drums stacked or stored according to manufacturers' recommendations?				
DS-6	Are drums closed/sealed when not in use?				
DS-7	Are the contents of each drum clearly labeled?				
<b>Corrective Action Procedures</b>					<input type="checkbox"/> Not Applicable
<input type="checkbox"/> Immediate Response 1. Immediately utilizing available personnel. Supervisor initiating corrective action: _____					
<input type="checkbox"/> Inspector Recommending Follow-up Actions 1. To be corrected outside of the shift the problem was noted. WO#: _____					
<b>(INDOORS) SCRAP METAL STORAGE AREA</b>					<b>STORMWATER SOURCE MATERIAL</b>
SM-1	[True (Y) or False (N)]: The dumpster is not full.				
SM-2	If evidence of leak is found (mark N/A if not), is it absent from the ground below? (If spill is present on the ground, report immediately to Environmental Coordinator.)				
SM-3	[True (Y) or False (N)]: Scrap metal (various and dumpsters) is stored inside?				
<b>Corrective Action Procedures</b>					<input type="checkbox"/> Not Applicable
<input type="checkbox"/> Immediate Response 1. Immediately utilizing available personnel. Supervisor initiating corrective action: _____					
<input type="checkbox"/> Inspector Recommending Follow-up Actions 1. To be corrected outside of the shift the problem was noted. WO#: _____					
<b>(INDOORS) UNIVERAL WASTE STORAGE AREA</b>					<b>STORMWATER SOURCE MATERIAL</b>
HZ-1	Are storage containers free of cracks, rust, excessive deterioration, or other signs of compromised integrity?				
HZ-2	[True (Y) or False (N)]: There is no evidence of a release.				
HZ-3	Are all containers marked, labeled, and dated properly?				
HZ-4	Do all containers remain closed, when not in use?				
HZ-5	Is the storage area properly marked?				
HZ-6	Have all full and accumulated container been shipped/scheduled for shipment?				
<b>Corrective Action Procedures</b>					<input type="checkbox"/> Not Applicable
<input type="checkbox"/> Immediate Response 1. Immediately utilizing available personnel. Supervisor initiating corrective action: _____					
<input type="checkbox"/> Inspector Recommending Follow-up Actions 1. To be corrected outside of the shift the problem was noted. WO#: _____					



## Appendix A

<b>(INDOORS) HAZARDOUS WASTE STORAGE AREA</b>					<b>STORMWATER SOURCE MATERIAL</b>
HZ-1	Are storage containers free of cracks, rust, excessive deterioration, or other signs of compromised integrity?				
HZ-2	[True (Y) or False (N)]: There is no evidence of a release.				
HZ-3	Are all containers marked, labeled, and dated properly?				
HZ-4	Do all containers remain closed, when not in use?				
HZ-5	Is the storage area properly marked?				
HZ-6	Have all full and accumulated container been shipped/scheduled for shipment?				
<div style="text-align: center;"><b>Corrective Action Procedures</b></div> <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Immediate Response            1. Immediately utilizing available personnel. Supervisor initiating corrective action: _____  <input type="checkbox"/> Inspector Recommending Follow-up Actions            1. To be corrected outside of the shift the problem was noted. WO#: _____         </div> <div style="text-align: right;"> <input type="checkbox"/> Not Applicable         </div> </div>					
<b>SCRAP METAL STORAGE AREA</b>					<b>STORMWATER SOURCE MATERIAL</b>
SM-1	[True (Y) or False (N)]: The dumpster is not full.				
SM-2	If evidence of leak is found (mark N/A if not), is it absent from the ground below? (If spill is present on the ground, report immediately to Environmental Coordinator.)				
SM-3	[True (Y) or False (N)]: Scrap metal (various and dumpsters) is stored inside?				
<div style="text-align: center;"><b>Corrective Action Procedures</b></div> <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Immediate Response            2. Immediately utilizing available personnel. Supervisor initiating corrective action: _____  <input type="checkbox"/> Inspector Recommending Follow-up Actions            2. To be corrected outside of the shift the problem was noted. WO#: _____         </div> <div style="text-align: right;"> <input type="checkbox"/> Not Applicable         </div> </div>					
<b>MOBILE EQUIPMENT REFUELLING (2,500 gallon AST) &amp; GREASE LOCATIONS INSPECTED:</b>					<b>STORMWATER SOURCE MATERIAL</b>
TS-2	Are all pumps, valves, hoses, piping, etc. intact and operating properly?				
TS-3	Are all pumps and valves closed and/or locked when not in use?				
TS-4	Is the secondary containment system free of cracks, holes, or other breaches?				
TS-5	Is the secondary containment system and sump free of oil?				
TS-3	[True (Y) or False (N)]: There is no evidence of a release from containment.				
TS-6	Are stormwater releases from containment being properly documented?				
TS-7	Is water in the containment (mark N/A if no water) free of any sheen?				
LU-1	Do previous spills in the areas appear to have been adequately addressed? If not, describe and list the outfalls that the areas drain to.				
LU-2	Is the area free of raw materials, waste materials, debris, and dust?				
LU-3	Are standard loading/unloading procedures prominently posted in the areas?				
LU-4	Are high level alarms or indicators in good working order?				
<div style="text-align: center;"><b>Corrective Action Procedures</b></div> <div style="display: flex; justify-content: space-between;"> <div> <input type="checkbox"/> Immediate Response            1. Immediately utilizing available personnel. Supervisor initiating corrective action: _____  <input type="checkbox"/> Inspector Recommending Follow-up Actions            1. To be corrected outside of the shift the problem was noted. WO#: _____         </div> <div style="text-align: right;"> <input type="checkbox"/> Not Applicable         </div> </div>					
<b>ABOVE GROUND PETROLEUM PRODUCT TANK (38,000 gallon AST)</b>					<b>STORMWATER SOURCE MATERIAL</b>
TS-2	Are all pumps, valves, hoses, piping, etc. intact and operating properly?				
TS-3	Are all pumps and valves closed and/or locked when not in use?				
TS-4	Is the secondary containment system free of cracks, holes, or other breaches?				
TS-5	Is the secondary containment system and sump free of oil?				
TS-3	[True (Y) or False (N)]: There is no evidence of a release from containment.				
TS-6	Are stormwater releases from containment being properly documented?				
TS-7	Is water in the containment (mark N/A if no water) free of any sheen?				
LU-1	Do previous spills in the areas appear to have been adequately addressed? If not, describe and list the outfalls that the areas drain to.				
LU-2	Is the area free of raw materials, waste materials, debris, and dust?				
LU-3	Are standard loading/unloading procedures prominently posted in the areas?				
LU-4	Are high level alarms or indicators in good working order?				



## Appendix A

<b>Corrective Action Procedures</b>					<input type="checkbox"/> Not Applicable
<input type="checkbox"/> Immediate Response 1. Immediately utilizing available personnel. Supervisor initiating corrective action: _____					
<input type="checkbox"/> Inspector Recommending Follow-up Actions 1. To be corrected outside of the shift the problem was noted. WO#: _____					
<b>USED OIL STORAGE TANK</b>					<b>STORMWATER SOURCE MATERIAL</b>
TS-1	Are tanks and leg supports free of excessive rust or other signs of compromised tank integrity?				
TS-3	[True (Y) or False (N)]: There is no evidence of a release.				
TS-2	Are all pumps, valves, hoses, piping, etc. intact and operating properly?				
TS-3	Are all pumps and valves closed and/or locked when not in use?				
TS-4	Is the secondary containment system free of cracks, holes, or other breaches?				
TS-5	Is the secondary containment system and sump free of oil?				
TS-6	Are stormwater releases from containment being properly documented?				
TS-7	Is water in the containment (mark N/A if no water) free of any sheen?				
LU-1	Do previous spills in the areas appear to have been adequately addressed? If not, describe and list the outfalls that the areas drain to.				
LU-2	Are high level alarms or indicators in good working order?				
<b>Corrective Action Procedures</b>					<input type="checkbox"/> Not Applicable
<input type="checkbox"/> Immediate Response 1. Immediately utilizing available personnel. Supervisor initiating corrective action: _____					
<input type="checkbox"/> Inspector Recommending Follow-up Actions 1. To be corrected outside of the shift the problem was noted. WO#: _____					
<b>ROOF</b>					<b>STORMWATER SOURCE MATERIAL</b>
RF-1	Is the roof surface intact to prevent sediment runoff?				
RF-2	Is debris/gypsum accumulation removed?				
<b>Corrective Action Procedures</b>					<input type="checkbox"/> Not Applicable
<input type="checkbox"/> Immediate Response 1. Immediately utilizing available personnel. Supervisor initiating corrective action: _____					
<input type="checkbox"/> Inspector Recommending Follow-up Actions 1. To be corrected outside of the shift the problem was noted. WO#: _____					
<b>PALLET STORAGE LOCATIONS INSPECTED:</b>					<b>STORMWATER SOURCE MATERIAL</b>
PT-1	Are pallets intact and stacked neatly to prevent sediment runoff?				
PT-2	[True (Y) or False (N)]: All trash is removed.				
PT-3	[True (Y) or False (N)]: No stormwater drains are being blocked by pallets.				
<b>Corrective Action Procedures</b>					<input type="checkbox"/> Not Applicable
<input type="checkbox"/> Immediate Response 1. Immediately utilizing available personnel. Supervisor initiating corrective action: _____					
<input type="checkbox"/> Inspector Recommending Follow-up Actions 1. To be corrected outside of the shift the problem was noted. WO#: _____					
<b>STEELE FEEDER/BELT CONVEYOR AREAS</b>					<b>STORMWATER SOURCE MATERIAL</b>
CO-1	Are drainage pathways at the site free of evidence of soil erosion?				
CO-2	Do previous spills in the areas appear to have been adequately addressed? If not, describe and list the outfalls that the areas drain to.				
CO-3	Is barrier around Steele Feeder adequate to prevent runoff?				
<b>Corrective Action Procedures</b>					<input type="checkbox"/> Not Applicable
<input type="checkbox"/> Immediate Response 1. Immediately utilizing available personnel. Supervisor initiating corrective action: _____					
<input type="checkbox"/> Inspector Recommending Follow-up Actions 1. To be corrected outside of the shift the problem was noted. WO#: _____					
<b>RAILCAR UNLOADING OPERATIONS</b>					<b>STORMWATER SOURCE MATERIAL</b>
RA-1	[True (Y) or False (N)]: All railcar debris is removed from Front Street fence.				
RA-2	[True (Y) or False (N)]: All railcar debris is removed from pavement surface.				
RA-3	[True (Y) or False (N)]: All railcar debris is removed from secondary containment area.				



## Appendix A

<b>Corrective Action Procedures</b>					<input type="checkbox"/> Not Applicable
<input type="checkbox"/> Immediate Response 1. Immediately utilizing available personnel. Supervisor initiating corrective action: _____					
<input type="checkbox"/> Inspector Recommending Follow-up Actions 1. To be corrected outside of the shift the problem was noted. WO#: _____					
<b>LOADING DOCKS/SHIPPING BAYS (Indoor Trench Drains and Storm Drain)</b>					<b>STORMWATER SOURCE MATERIAL</b>
DO-1	[True (Y) or False (N)]: All debris is removed from Loading Bays.				
DO-2	Do previous spills in the areas appear to have been adequately addressed? If not, describe and list the outfalls that the areas drain to.				
<b>Corrective Action Procedures</b>					<input type="checkbox"/> Not Applicable
<input type="checkbox"/> Immediate Response 1. Immediately utilizing available personnel. Supervisor initiating corrective action: _____					
<input type="checkbox"/> Inspector Recommending Follow-up Actions 1. To be corrected outside of the shift the problem was noted. WO#: _____					
<b>GYPCRETE UNLOADING AREA (Indoor Storm Drain)</b>					<b>STORMWATER SOURCE MATERIAL</b>
GY-1	[True (Y) or False (N)]: All debris is removed from Loading Bays.				
GY-2	Do previous spills in the areas appear to have been adequately addressed? If not, describe and list the outfalls that the areas drain to.				
<b>Corrective Action Procedures</b>					<input type="checkbox"/> Not Applicable
<input type="checkbox"/> Immediate Response 1. Immediately utilizing available personnel. Supervisor initiating corrective action: _____					
<input type="checkbox"/> Inspector Recommending Follow-up Actions 1. To be corrected outside of the shift the problem was noted. WO#: _____					
<b>BULK MATERIAL LOADING/UNLOADING AREA (LP, Stucco, Portland Cement, Densite® Railcar)</b>					<b>STORMWATER SOURCE MATERIAL</b>
BU-1	Are all valves closed and/or locked when not in use?				
BU-2	True (Y) or False (N): There is no evidence of a release from trucks.				
BU-3	Do previous spills in the areas appear to have been adequately addressed? If not, describe and list the outfalls that the areas drain to.				
BU-4	Is the area free of raw materials, waste materials, debris, and dust?				
BU-5	Are standard loading/unloading procedures prominently posted in the areas?				
BU-6	If there is a local drain (check N/A if none), is it free from obstructions?				
BU-7	Is bulk loading equipment in good working order?				
<b>Corrective Action Procedures</b>					<input type="checkbox"/> Not Applicable
<input type="checkbox"/> Immediate Response 1. Immediately utilizing available personnel. Supervisor initiating corrective action: _____					
<input type="checkbox"/> Inspector Recommending Follow-up Actions 1. To be corrected outside of the shift the problem was noted. WO#: _____					
<b>TRANSFORMERS (Electrical Substation &amp; Yard Transformer)</b>					<b>STORMWATER SOURCE MATERIAL</b>
XF-1	Are all transformers intact and free of leaking oil?				
XF-2	If evidence of leak is found (mark N/A if not), is it absent from the concrete pad or the ground below? (If spill is present on the pad or ground, report immediately to Environmental Coordinator.)				
<b>Corrective Action Procedures</b>					<input type="checkbox"/> Not Applicable
<input type="checkbox"/> Immediate Response 1. Immediately utilizing available personnel. Supervisor initiating corrective action: _____					
<input type="checkbox"/> Inspector Recommending Follow-up Actions 1. To be corrected outside of the shift the problem was noted. WO#: _____					
<b>EROSION PRONE AREAS (along riverfront)</b>					<b>STORMWATER SOURCE MATERIAL</b>
ER-1	Are drainage pathways at the site free of evidence of soil erosion?				
ER-2	Are ditches and ponds onsite free of significant depths of sediment?				
ER-3	If sediment controls (e.g. silt fences, rock rip rap, seeding, hay bales, etc.) are used onsite (check N/A if not), are they in good shape and operating properly?				
ER-4	Does all sediment remain on-site? If not, explain what erosion control measures could help prevent it from leaving the site.				
ER-5	Is the material pile bermed in such a manner as to eliminate stormwater runthrough?				



## Appendix A

<b>Corrective Action Procedures</b>					<input type="checkbox"/> Not Applicable
<input type="checkbox"/> Immediate Response 1. Immediately utilizing available personnel. Supervisor initiating corrective action: _____					
<input type="checkbox"/> Inspector Recommending Follow-up Actions 1. To be corrected outside of the shift the problem was noted. WO#: _____					
<b>GENERAL TRASH STORAGE AREA (various small dumpsters)</b>					<b>STORMWATER SOURCE MATERIAL</b>
XF-1	[True (Y) or False (N)]: The dumpsters are not full.				
XF-2	If evidence of leak is found (mark N/A if not), is it absent from the ground below? (If spill is present on the ground, contain it and report immediately to Environmental Coordinator.)				
<b>Corrective Action Procedures</b>					<input type="checkbox"/> Not Applicable
<input type="checkbox"/> Immediate Response 1. Immediately utilizing available personnel. Supervisor initiating corrective action: _____					
<input type="checkbox"/> Inspector Recommending Follow-up Actions 1. To be corrected outside of the shift the problem was noted. WO#: _____					
<b>TRASH COMPACTOR</b>					<b>STORMWATER SOURCE MATERIAL</b>
	Do previous spills in the areas appear to have been adequately addressed?				
	[True (Y) or False (N)]: The dumpsters are not full.				
	If evidence of leak is found (mark N/A if not), is it absent from the ground below? (If spill is present on the ground, contain it and report immediately to Environmental Coordinator.)				
<b>Corrective Action Procedures</b>					<input type="checkbox"/> Not Applicable
<input type="checkbox"/> Immediate Response 1. Immediately utilizing available personnel. Supervisor initiating corrective action: _____					
<input type="checkbox"/> Inspector Recommending Follow-up Actions 1. To be corrected outside of the shift the problem was noted. WO#: _____					
<b>STORAGE AREAS EXPOSED TO STORMWATER</b>					<b>STORMWATER SOURCE MATERIAL</b>
SA-1	[True (Y) or False (N)]: None of the following are exposed to storm water onsite: Section 313 chemicals, treated lumber, coal piles, salt piles, formal or informal landfills. If false, describe which are exposed to storm water.				
SA-2	Are stored materials (gypsum piles, recycle piles, etc.) prevented from reaching inlets, pipes, ditches, or ponds?				
SA-3	[If controls to minimize materials being carried by runoff to drainage ways (e.g., rock berms, screens over inlets, and culverts, etc.) exist onsite (check N/A if not), are they in good shape and operating properly?				
<b>Corrective Action Procedures</b>					<input type="checkbox"/> Not Applicable
<input type="checkbox"/> Immediate Response 1. Immediately utilizing available personnel. Supervisor initiating corrective action: _____					
<input type="checkbox"/> Inspector Recommending Follow-up Actions 1. To be corrected outside of the shift the problem was noted. WO#: _____					
<b>MATERIAL STORAGE PILES</b>					<b>TITLE V DUST MANAGEMENT PLAN</b>
	Are fugitive emissions from ship unloading occurring?				
	Are fugitive emissions from excessive wind/weather disturbances of pile occurring?				
	Are fugitive emissions from removal of material from piles occurring?				
	Is effective housekeeping occurring?				
<b>Corrective Action Procedures</b>					<input type="checkbox"/> Not Applicable
<input type="checkbox"/> Immediate Response 1. Immediately utilizing available personnel. Supervisor initiating corrective action: _____					
<input type="checkbox"/> Inspector Recommending Follow-up Actions 1. To be corrected outside of the shift the problem was noted. WO#: _____					
<b>MATERIAL HANDLING</b>					<b>TITLE V DUST MANAGEMENT PLAN</b>
	Are fugitive emission from loading operations occurring?				
	Are fugitive emissions from transfer operations occurring?				
	Are fugitive emissions from conveying operations occurring?				
	Are fugitive emissions from unloading operations occurring?				
	Is housekeeping at material handling occurring?				



## Appendix A

<b>Corrective Action Procedures</b>					<input type="checkbox"/> Not Applicable	
<input type="checkbox"/> Immediate Response 1. Immediately utilizing available personnel. Supervisor initiating corrective action: _____						
<input type="checkbox"/> Inspector Recommending Follow-up Actions 1. To be corrected outside of the shift the problem was noted. WO#: _____						
<b>UNPAVED SURFACES</b>					<b>TITLE V DUST MANAGEMENT PLAN</b>	
	Are fugitive emissions at unpaved surfaces occurring?					
	Is there evidence of housekeeping?					
<b>Corrective Action Procedures</b>					<input type="checkbox"/> Not Applicable	
<input type="checkbox"/> Immediate Response 1. Immediately utilizing available personnel. Supervisor initiating corrective action: _____						
<input type="checkbox"/> Inspector Recommending Follow-up Actions 1. To be corrected outside of the shift the problem was noted. WO#: _____						
<b>PAVED SURFACES</b>					<b>TITLE V DUST MANAGEMENT PLAN</b>	
	Is carryout/tracking of mud/dirt from unpaved surfaces present?					
	Does dedicated mobile equipment remain within the gypsum storage pile?					
	Are wind-blown fugitive emissions being caused by nearby sources, not attributed to Georgia-Pacific activities?					
	Is there evidence of housekeeping of paved surfaces?					
<b>Corrective Action Procedures</b>					<input type="checkbox"/> Not Applicable	
<input type="checkbox"/> Immediate Response 1. Immediately utilizing available personnel. Supervisor initiating corrective action: _____						
<input type="checkbox"/> Inspector Recommending Follow-up Actions 1. To be corrected outside of the shift the problem was noted. WO#: _____						
<b>GOOD HOUSEKEEPING</b>					<b>TITLE V DUST MANAGEMENT PLAN</b>	
	Are storage areas of materials, bags, and drums neat & orderly?					
	Is regular cleanup of material spillage, inside and outside of the process building occurring?					
	Is sweeping around obstacles in the paved road surface areas being completed (weather permitting)?					
	Is training provided to employees about good housekeeping?					
	[True (Y) or False (N)]: Monthly inspections of indoor and outdoor plant are completed and identify areas that may require additional attention.					
<b>MONTHLY INSPECTION PROGRAM - GENERAL</b>					<b>TITLE V DUST MANAGEMENT PLAN</b>	
	Do these areas have the potential to cause fugitive emissions?					
	Material storage & handling areas					
	Loading & unloading areas?					
	Process areas?					
	Control equipment (bin vents/ dust collectors)?					
	Are the control measures overall effective?					
	Generally, are the good housekeeping practices overall effective?					
<b>Corrective Action Procedures</b>					<input type="checkbox"/> Not Applicable	
<input type="checkbox"/> Immediate Response 1. Immediately utilizing available personnel. Supervisor initiating corrective action: _____						
<input type="checkbox"/> Inspector Recommending Follow-up Actions 1. To be corrected outside of the shift the problem was noted. WO#: _____						
<b>PNEUMATIC SYSTEMS (CONTROL EQUIPMENT)</b>					<b>TITLE V DUST MANAGEMENT PLAN</b>	
	U2 Kettle 1: OK <input type="checkbox"/> FIX <input type="checkbox"/>		U2 Kettle 2: OK <input type="checkbox"/> FIX <input type="checkbox"/>		U2 Kettle #3: OK <input type="checkbox"/> FIX <input type="checkbox"/>	
	U14 LP Bin #4: OK <input type="checkbox"/> FIX <input type="checkbox"/>		U22 Stucco Reserve Bin #1: OK <input type="checkbox"/> FIX <input type="checkbox"/>		U24 Raymond Mill #1: OK <input type="checkbox"/> FIX <input type="checkbox"/>	
	U24 Raymond Mill #2: OK <input type="checkbox"/> FIX <input type="checkbox"/>		U26 Portland Cement Bin: OK <input type="checkbox"/> FIX <input type="checkbox"/>		U27 LP Bin #1: OK <input type="checkbox"/> FIX <input type="checkbox"/>	
	U28 LP Bin #2: OK <input type="checkbox"/> FIX <input type="checkbox"/>		U29 LP Bin #3: OK <input type="checkbox"/> FIX <input type="checkbox"/>		U30 Molding Plaster Bin: OK <input type="checkbox"/> FIX <input type="checkbox"/>	
	U31 Stucco Cooling: OK <input type="checkbox"/> FIX <input type="checkbox"/>		U35 Densite® Bin: OK <input type="checkbox"/> FIX <input type="checkbox"/>		U36 Gypcrete Rock Bin : OK <input type="checkbox"/> FIX <input type="checkbox"/>	
	U38 Impact Mill: OK <input type="checkbox"/> FIX <input type="checkbox"/>		U39 Gypcrete Screener: OK <input type="checkbox"/> FIX <input type="checkbox"/>		U40 Stucco Reserve Bin #2: OK <input type="checkbox"/> FIX <input type="checkbox"/>	
	U41 Impact Mill Feed Bin: OK <input type="checkbox"/> FIX <input type="checkbox"/>		U__ Other: _____: OK <input type="checkbox"/> FIX <input type="checkbox"/>		U__ Other: _____: OK <input type="checkbox"/> FIX <input type="checkbox"/>	
	U__ Other: _____: OK <input type="checkbox"/> FIX <input type="checkbox"/>		U__ Other: _____: OK <input type="checkbox"/> FIX <input type="checkbox"/>		U__ Other: _____: OK <input type="checkbox"/> FIX <input type="checkbox"/>	
	U__ Other: _____: OK <input type="checkbox"/> FIX <input type="checkbox"/>		U__ Other: _____: OK <input type="checkbox"/> FIX <input type="checkbox"/>		U__ Other: _____: OK <input type="checkbox"/> FIX <input type="checkbox"/>	
PN-1	Are blow pipes or cyclones free of leaks and fugitive emissions?					
PN-2	Are the tops of cyclones free of visible excess dusting?					



## **Appendix A**

PN-3	Are hi-pressure feeders free of blow-by and not dusting?				
PN-4	[True (Y) or False (N)]: There is not excessive pressure drop across any bag filters. If false, bags may be plugged up and require cleaning.				
PN-5	Are the bag filter clean air discharges free of visible dusting? (Predicts overall effectiveness of control measure.)				
PN-6	Are all inspection doors or covers closed tightly?				
PN-7	Are all rotary seal valves operating properly?				
PN-8	[True (Y) or False (N)]: No collectors and/or filters are known to be bypassed. (if false, report immediately to Environmental Coordinator.)				
<b>Corrective Action Procedures</b> <span style="float: right;"><input type="checkbox"/> Not Applicable</span>					
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> Immediate Response           <div style="margin-left: 20px;">1. Immediately utilizing available personnel. Supervisor initiating corrective action: _____</div> </div> <div style="width: 45%;"> <input type="checkbox"/> Inspector Recommending Follow-up Actions           <div style="margin-left: 20px;">1. To be corrected outside of the shift the problem was noted. WO#: _____</div> </div> </div>					



**GEORGIA-PACIFIC GYPSUM LLC (51611)**  
**BOP190006**

Date: 12/4/2019

**New Jersey Department of Environmental Protection**  
**Facility Profile (General)**

**Facility Name (AIMS):** Georgia-Pacific Gypsum LLC

**Facility ID (AIMS):** 51611

**Street** 1101 SOUTH FRONT ST  
**Address:** 1101 SOUTH FRONT ST  
CAMDEN, NJ 08103

**Mailing** 1101 SOUTH FRONT ST  
**Address:** 1101 SOUTH FRONT ST  
CAMDEN, NJ 08103

**County:** Camden  
**Location** Lat/Long: 39,55,52/75,07,49  
**Description:**

**State Plane Coordinates:**  
**X-Coordinate:** 1,869,725  
**Y-Coordinate:** 400,039  
**Units:** Feet  
  
**Datum:** Unknown  
**Source Org.:** Other/Unknown  
**Source Type:** Hard Copy Map

**Industry:**  
**Primary SIC:** 3275  
**Secondary SIC:**  
**NAICS:** 327420



**New Jersey Department of Environmental Protection**  
**Facility Profile (General)**

**Facility Name (AIMS):** Georgia-Pacific Gypsum LLC

**Facility ID (AIMS):** 51611

**Street** 1101 SOUTH FRONT ST  
**Address:** 1101 SOUTH FRONT ST  
CAMDEN, NJ 08103

**Mailing** 1101 SOUTH FRONT ST  
**Address:** 1101 SOUTH FRONT ST  
CAMDEN, NJ 08103

**County:** Camden  
**Location** Latitude: 39,55,52 N  
**Description:** Longitude: 75,07,49 W

<b>State Plane Coordinates:</b>	
<b>X-Coordinate:</b>	1,869,725
<b>Y-Coordinate:</b>	400,039
<b>Units:</b>	Feet
<b>Datum:</b>	Unknown
<b>Source Org.:</b>	Other/Unknown
<b>Source Type:</b>	Hard Copy Map

<b>Industry:</b>	
<b>Primary SIC:</b>	3275
<b>Secondary SIC:</b>	
<b>NAICS:</b>	327420



New Jersey Department of Environmental Protection  
Facility Profile (General)

**Contact Type: Air Permit Information Contact**

**Organization:** Georgia-Pacific Gypsum LLC

**Org. Type:** LLC

**Name:** Benjamin Chantz

**NJ EIN:**

**Title:** Facility Environmental Manager

**Phone:** (856) 536-0725 x

**Mailing Address:** 1101 South Front Street  
Camden, NJ 08103

**Fax:** ( ) - x

**Other:** ( ) - x

**Type:**

**Email:** benjamin.chantz@gapac.com

---

**Contact Type: Environmental Officer**

**Organization:** Georgia-Pacific Gypsum LLC

**Org. Type:** LLC

**Name:** Benjamin Chantz

**NJ EIN:**

**Title:** Facility Environmental Manager

**Phone:** (856) 536-0725 x

**Mailing Address:** 1101 South Front Street  
Camden, NJ 08103

**Fax:** ( ) - x

**Other:** ( ) - x

**Type:**

**Email:** benjamin.chantz@gapac.com

---

**Contact Type: Fees/Billing Contact**

**Organization:** Georgia-Pacific Gypsum LLC

**Org. Type:** LLC

**Name:** Kevin Coggins

**NJ EIN:**

**Title:** Plant Manager

**Phone:** (785) 341-1557 x

**Mailing Address:** 1101 South Front Street  
Camden, NJ 08103

**Fax:** ( ) - x

**Other:** ( ) - x

**Type:**

**Email:** kocoggin@gapac.com



New Jersey Department of Environmental Protection  
Facility Profile (General)

**Contact Type:** On-Site Manager

**Organization:** Georgia-Pacific Gypsum LLC

**Org. Type:** LLC

**Name:** Kevin Coggins

**NJ EIN:**

**Title:** Plant Manager

**Phone:** (785) 341-1557 x

**Mailing Address:** 1101 South Front Street  
Camden, NJ 08103

**Fax:** ( ) - x

**Other:** ( ) - x

**Type:**

**Email:** kocoggin@gapac.com

-----  
**Contact Type:** Operator

**Organization:** Georgia-Pacific, Inc.

**Org. Type:** Corporation

**Name:** Georgia-Pacific Gypsum LLC

**NJ EIN:**

**Title:**

**Phone:** ( ) - x

**Mailing Address:**

**Fax:** ( ) - x

**Other:** ( ) - x

**Type:**

**Email:**

-----  
**Contact Type:** Owner (Current Primary)

**Organization:** Georgia-Pacific, Inc.

**Org. Type:** Corporation

**Name:** Georgia-Pacific Gypsum LLC

**NJ EIN:**

**Title:**

**Phone:** ( ) - x

**Mailing Address:**

**Fax:** ( ) - x

**Other:** ( ) - x

**Type:**

**Email:**



**GEORGIA-PACIFIC GYPSUM LLC (51611)**  
**BOP190005**

Date: 12/29/2021

**New Jersey Department of Environmental Protection**  
**Facility Profile (General)**

**Contact Type:** Responsible Official

**Organization:** Georgia-Pacific Gypsum LLC

**Org. Type:** LLC

**Name:** Kevin Coggins

**NJ EIN:**

**Title:** Plant Manager

**Phone:** (785) 341-1557 x

**Mailing Address:** 1101 South Front Street

**Fax:** ( ) - x

Camden, NJ 08103

**Other:** ( ) - x

**Type:**

**Email:** kocoggin@gapac.com



**New Jersey Department of Environmental Protection**  
**Non-Source Fugitive Emissions**

FG NJID	Description of Activity Causing Emission	Location Description	Reasonable Estimate of Emissions (tpy)								
			VOC (Total)	NOx	CO	SO	TSP (Total)	PM-10	Pb	HAPS (Total)	Other (Total)
FG1	Plant-Wide Particulate/Dust Fugitive Emissions from Truck Traffic						23.532	4.592			
FG2	Storage Pile of Gypsum						1.250	0.610			
Total			0.000	0.000	0.000	0.000	24.782	5.202	0.000	0.00000000	0.000



**New Jersey Department of Environmental Protection**  
**Insignificant Source Emissions**

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NOx	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS2	Heater at knife area 1 - Nat. Gas fired (< 1 MMBTU/HR max. heat input)	Fuel Combustion Equipment (Other)	Knife Area 1	0.053	0.680	0.290	0.000	0.081	0.081	0.000	0.00000000	
IS3	Heater at knife area 2 - Nat. Gas fired (< 1 MMBTU/HR max. heat input)	Fuel Combustion Equipment (Other)	Knife Area 2	0.053	0.680	0.290	0.000	0.081	0.081	0.000	0.00000000	
IS4	Heater at knife area 3 - Nat. Gas fired (< 1 MMBTU/HR max. heat input)	Fuel Combustion Equipment (Other)	Knife Area 3	0.053	0.680	0.290	0.000	0.081	0.081	0.000	0.00000000	
IS5	Machine shop heater - Nat. Gas fired (< 1 MMBTU/HR max. heat input)	Fuel Combustion Equipment (Other)	Machine Shop	0.053	0.680	0.290	0.000	0.081	0.081	0.000	0.00000000	
IS6	Space Heaters - 17 units, Nat.Gas fired (each unit < 1 MMBTU/HR max. heat input)	Fuel Combustion Equipment (Other)	Throughout Facility	0.051	0.680	0.340	0.000	0.085	0.085	0.000	0.00000000	
IS7	Paper Warmers 1 to 4 - Nat.Gas fired (each unit < 1 MMBTU/HR max. heat input)	Fuel Combustion Equipment (Other)	Board Production Line	0.016	0.200	0.080	0.000	0.024	0.024	0.000	0.00000000	



**New Jersey Department of Environmental Protection**  
**Insignificant Source Emissions**

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NOx	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS8	Paper Warmers 5 to 8 - Nat.Gas fired (each unit < 1 MMBTU/HR max. heat input)	Fuel Combustion Equipment (Other)	Board Production Line	0.016	0.200	0.080	0.000	0.024	0.024	0.000	0.00000000	
IS10	Storage/use of non-HAP chemicals in containers (< 10,000 gallons, Non-Applicable VOC with vapor pressure < 0.02 psia)	Storage Vessel	Water Dispersing Agent located South of Board Production Line	0.000	0.000	0.000	0.000	0.010	0.010	0.000	0.00000000	
IS11	Storage/use of non-HAP VOC containing chemicals in containers (< 10,000 gallons, Non-Applicable VOC with vapor pressure < 0.02 psia)	Storage Vessel	Lube Filtration/Storage Room	0.010	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	
IS13	2,500 gallon Distillate Fuel Oil Storage Tank (< 10,000 gallons, Non-Applicable VOC with vapor pressure < 0.02 psia)	Storage Vessel	Heavy Equipment fuel loading area	0.001								



**New Jersey Department of Environmental Protection**  
**Insignificant Source Emissions**

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NOx	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS14	40,000 gallon Distillate Fuel Oil Storage Tank (>=10,000 gallons, Non-Applicable VOC with vapor pressure < 0.02 psia)	Storage Vessel	West of Gold / Prime containment room	0.017								
IS15	Solid Storage Vessels (each unit < 2,000 cubic feet in storage capacity)	Storage Vessel	Accell BMA Bin, Fiberglass Bin, Old Sugar Bin, Miscellaneous Bin, Vermiculite Bin and Potash Bin Feeder					0.178	0.084			
IS16	Holding Tank storing liquids (< 10,000 gallons, Non-Applicable VOC with vapor pressure < 0.02 psia)	Storage Vessel	Holding Tank									
IS17	Prime Paint Tank, 7,800 gallons (< 10,000 gallons, Non-Applicable VOC with vapor pressure < 0.02 psia)	Storage Vessel	Prime Paint Tank									



**New Jersey Department of Environmental Protection**  
**Insignificant Source Emissions**

IS NJID	Source/Group Description	Equipment Type	Location Description	Estimate of Emissions (tpy)								
				VOC (Total)	NOx	CO	SO	TSP	PM-10	Pb	HAPS (Total)	Other (Total)
IS18	Liquid Storage Vessel < 1,000 gallons storage capacity, mixing liquids with vapor pressures < 1.5 psia, less water, in a non-reactive process	Storage Vessel	Mixing Tanks Throughout the Plant									
IS19	Gypcrete Printing Area (< 0.5 gal/hr and < 2.5 gal/day ink usage per printer)	Other Equipment	Gypcrete Printing Area	0.006	0.000	0.000	0.000	0.000	0.000	0.000	0.00000000	0.000
IS22	Temporary Diesel Generator ( < 1 MMBtu/hr max.heat input, < 37 kw)	Stationary Reciprocating Engine	Outside, North Yard	0.030	0.220	0.130	0.022	0.018	0.019	0.000		
IS23	Temporary Storage Silo (< 2000 ft^3 capacity)	Storage Vessel	Outside, North Yard	0.000	0.000	0.000	0.000	0.003	0.001	0.000		
IS24	Three (3) Slitters (each slitter <= 50 lb/hr raw material process rate)	Manufacturing and Materials Handling Equipment	Resin Extrusion Process					0.007	0.007			
IS25	Cross Cutter (<= 50 lb/hr raw material process rate)	Manufacturing and Materials Handling Equipment	Resin Extrusion Process					0.000	0.000			
IS26	Four (4) Natural Gas-Fired Space Heaters (0.2 MMBtu/hr each)	Fuel Combustion Equipment (Other)	Space Heaters Venting Outside	0.020	0.320	0.130	0.002	0.010	0.030	0.000		
Total				0.379	4.340	1.920	0.024	0.683	0.608	0.000	0.00000000	0.000



**New Jersey Department of Environmental Protection  
Equipment Inventory**

<b>Equip. NJID</b>	<b>Facility's Designation</b>	<b>Equipment Description</b>	<b>Equipment Type</b>	<b>Certificate Number</b>	<b>Install Date</b>	<b>Grand- Fathered</b>	<b>Last Mod. (Since 1968)</b>	<b>Equip. Set ID</b>
E3	1KH	Kettle #1	Fuel Combustion Equipment (Other)	PCP030006	11/30/1995	No	11/30/1995	
E4	2KF	Kettle #2	Fuel Combustion Equipment (Other)	125995	12/6/1995	No	12/6/1995	
E5	3KF	Kettle #3	Fuel Combustion Equipment (Other)	125994	12/6/1995	No	12/6/1995	
E6	OB1	Office Boiler	Boiler	Gen99-0001	1/1/1968	Yes	5/5/1999	
E8	PWH1	Process Water Heater	Process Heater	125802	11/16/1995	No	11/16/1995	
E9	AFT1	6000gal ST - Alpha Foamer (soap) with ethanol	Storage Vessel	126530	2/2/1996	No	2/2/1996	
E10	ESDC	Board End Saw	Manufacturing and Materials Handling Equipment	034872	11/17/1995	No	11/17/1995	
E11	RD4S	Rotary Rock Dryer	Fuel Combustion Equipment (Other)	073559	9/17/1985	No	9/17/1985	
E12	1C8B	Conveyor #8B - Load Skirt	Manufacturing and Materials Handling Equipment	073559	9/17/1985	No	9/17/1985	
E13	2C8A	Conveyor #8A - Discharge chute	Manufacturing and Materials Handling Equipment	073559	9/17/1985	No	9/17/1985	
E14	LPRB	LP Reserve Bin	Storage Vessel	126651	3/25/1996	No	10/2/1986	
E15	SSE1	Stucco Supply Elevator	Manufacturing and Materials Handling Equipment	088806	9/9/1986	No	10/13/1988	



**New Jersey Department of Environmental Protection  
Equipment Inventory**

<b>Equip. NJID</b>	<b>Facility's Designation</b>	<b>Equipment Description</b>	<b>Equipment Type</b>	<b>Certificate Number</b>	<b>Install Date</b>	<b>Grand- Fathered</b>	<b>Last Mod. (Since 1968)</b>	<b>Equip. Set ID</b>
E16	WEDC	Stucco Recirculating Elevator	Manufacturing and Materials Handling Equipment	088806	9/9/1986	No	10/13/1988	
E17	LPA1	Landplaster Pneumatic Conveying Process	Manufacturing and Materials Handling Equipment	GEN000001	11/4/1988	No	11/4/1988	
E18	SMS1	Stucco Mixing Screw Conveyor	Manufacturing and Materials Handling Equipment	125992	11/29/1995	No	11/29/1995	
E19	BPS1	Board Stucco Silo #1	Storage Vessel	125807	11/22/1995	No	11/22/1995	
E20	BPS2	Board Stucco Silo #2	Storage Vessel	Log No. 01955680	11/22/1995	No	11/22/1995	
E21	441C	441 Screw Conveyor	Manufacturing and Materials Handling Equipment	125993	11/22/1995	No	11/22/1995	
E22	SRB1	Stucco Reserve Bin #1	Storage Vessel	125806	11/22/1995	No	11/22/1995	
E23	PMV1	Pin Mixer	Manufacturing and Materials Handling Equipment	097652	7/13/1990	No	7/13/1990	
E24	RM1	60 inch Raymond Mill #1	Fuel Combustion Equipment (Other)	103862	7/23/1991	No	7/23/1991	
E25	RM2	60 inch Raymond Mill #2	Fuel Combustion Equipment (Other)	118644	5/20/1994	No	5/20/1994	
E26	4RB	Portland Cement Bin	Manufacturing and Materials Handling Equipment	111023/980008	4/17/1998	No	10/16/1998	



**New Jersey Department of Environmental Protection  
Equipment Inventory**

<b>Equip. NJID</b>	<b>Facility's Designation</b>	<b>Equipment Description</b>	<b>Equipment Type</b>	<b>Certificate Number</b>	<b>Install Date</b>	<b>Grand- Fathered</b>	<b>Last Mod. (Since 1968)</b>	<b>Equip. Set ID</b>
E27	LPB1	Landplaster Bin #1	Storage Vessel	125803	11/9/1995	No	11/9/1995	
E28	LPB2	Landplaster Bin #2	Storage Vessel	125804	11/9/1995	No	11/9/1995	
E29	LPB3	Landplaster bin #3	Storage Vessel	125805	11/9/1995	No	11/9/1995	
E30	SRB3-MPB	Stucco Reserve Bin #3 - Moulding Plaster Bin	Storage Vessel	125801	11/22/1995	No	11/22/1995	
E31	SC-#1EDS	Stucco Cooling - #1 Elevator Discharge Screw	Manufacturing and Materials Handling Equipment	128598	12/1/1992	No	12/1/1992	
E32	SC-#1CS	Stucco Cooling - #1Collecting Screw	Manufacturing and Materials Handling Equipment	128598	12/1/1992	No	12/1/1992	
E33	SC-#1XS	Stucco Cooling - #1Cross Screw	Manufacturing and Materials Handling Equipment	128598	12/1/1992	No	12/1/1992	
E34	SC-#2EDS	Stucco Cooling - #2 Elevator Discharge Screw	Manufacturing and Materials Handling Equipment	128598	12/1/1992	No	12/1/1992	
E35	SC-#2CS	Stucco Cooling - #2 Collecting Screw	Manufacturing and Materials Handling Equipment	128598	12/1/1992	No	12/1/1992	
E36	SC-#2XS	Stucco Cooling - #2 Cross Screw	Manufacturing and Materials Handling Equipment	128598	12/1/1992	No	12/1/1992	
E37	SC#430SC	Stucco Cooling - #430 Screw Conveyor	Manufacturing and Materials Handling Equipment	128598	12/1/1992	No	12/1/1992	



**New Jersey Department of Environmental Protection  
Equipment Inventory**

<b>Equip. NJID</b>	<b>Facility's Designation</b>	<b>Equipment Description</b>	<b>Equipment Type</b>	<b>Certificate Number</b>	<b>Install Date</b>	<b>Grand- Fathered</b>	<b>Last Mod. (Since 1968)</b>	<b>Equip. Set ID</b>
E38	LPLS	Bulk landplaster loading spout	Manufacturing and Materials Handling Equipment	126651	3/25/1996	No	3/25/1996	
E40	RF	Reclaim Feeder	Manufacturing and Materials Handling Equipment	127067	4/1/1996	No	4/1/1996	
E42	DCB	Dens Cal Bin	Manufacturing and Materials Handling Equipment	980001	10/28/1998	No	10/28/1998	
E43	BP	Bag Packer	Manufacturing and Materials Handling Equipment	980002	10/16/1998	No	10/16/1998	
E44	BPBW	Bulk Plaster Blender and Weigher	Manufacturing and Materials Handling Equipment	980002	10/16/1998	No	10/16/1998	
E45	RBT1	#1 Rock Bin Transfer - 11 Belt	Manufacturing and Materials Handling Equipment	980002	5/1/1984	No	10/16/1998	
E46	RBT2	#2 Rock Bin Transfer - 11 Belt	Manufacturing and Materials Handling Equipment	980002	5/1/1984	No	10/16/1998	
E47	RBTB	Rock Transfer - 10 Belt to 11 Belt	Manufacturing and Materials Handling Equipment	980002	5/1/1984	No	10/16/1998	
E48	LPB4	Landplaster Bin #4 - Board plant LP bin	Storage Vessel	980005	10/16/1998	No	10/16/1998	



**New Jersey Department of Environmental Protection  
Equipment Inventory**

<b>Equip. NJID</b>	<b>Facility's Designation</b>	<b>Equipment Description</b>	<b>Equipment Type</b>	<b>Certificate Number</b>	<b>Install Date</b>	<b>Grand- Fathered</b>	<b>Last Mod. (Since 1968)</b>	<b>Equip. Set ID</b>
E49	IM#1	Impact Mill #1	Manufacturing and Materials Handling Equipment	980003	10/16/1998	No	10/16/1998	
E50	IMS	Impact Mill Screen	Manufacturing and Materials Handling Equipment	980004	10/16/1998	No	10/16/1998	
E51	SRB2	Stucco Reserve Bin #2	Storage Vessel	980006	10/16/1998	No	10/16/1998	
E52	IMFB	Impact Mill Feed Bin	Storage Vessel	980007	10/16/1998	No	10/16/1998	
E53	BM1	Ball Mill 1	Manufacturing and Materials Handling Equipment	PCP000001	1/1/1989	No	1/1/1989	
E54	BM2	Ball Mill 2	Manufacturing and Materials Handling Equipment	PCP000001	1/1/1989	No	1/1/1989	
E55	BM3	Ball Mill 3	Manufacturing and Materials Handling Equipment	PCP000001	1/1/1989	No	1/1/1989	
E56	BM4	Ball Mill 4	Manufacturing and Materials Handling Equipment	PCP000001	1/1/1996	No	1/1/1996	
E57	BSHE	Bulk Stucco Handling Elevator	Manufacturing and Materials Handling Equipment	128598	3/25/1996	No	3/25/1996	
E58	BSHS	Bulk Stucco Handling Sifter	Manufacturing and Materials Handling Equipment	128598	3/25/2020	No		



**New Jersey Department of Environmental Protection  
Equipment Inventory**

<b>Equip. NJID</b>	<b>Facility's Designation</b>	<b>Equipment Description</b>	<b>Equipment Type</b>	<b>Certificate Number</b>	<b>Install Date</b>	<b>Grand- Fathered</b>	<b>Last Mod. (Since 1968)</b>	<b>Equip. Set ID</b>
E59	DAE	Dry Additives Elevator	Manufacturing and Materials Handling Equipment	BOP990001	1/1/1968	Yes	1/1/1968	
E60	IMFBE	Impact Mill Feed Bin Elevator	Manufacturing and Materials Handling Equipment	BOP990001	1/1/1968	Yes	1/1/1968	
E61	MPBE	Moulding Plaster Bin Elevator	Manufacturing and Materials Handling Equipment	BOP990001	1/1/1968	Yes	1/1/1968	
E65	3C8A	Conveyor #8A - Load Skirt	Manufacturing and Materials Handling Equipment	073559	9/17/1985	No	9/17/1985	
E66	SSS	Stucco Scalping Screw	Manufacturing and Materials Handling Equipment	PCP000003	9/9/1986	No		
E67	SWBF	Stucco Weigh Belt Feeder	Manufacturing and Materials Handling Equipment	PCP000003	9/9/1986	No		
E68	Wet End Vac	Wet End Central Vacuum System	Manufacturing and Materials Handling Equipment	PCP030007	10/26/2001	No		
E70	IM#2	Impact Mill #2	Manufacturing and Materials Handling Equipment	PCP030001	4/16/2003	No		
E71	BSLS	Bulk Stucco Loading Spout	Manufacturing and Materials Handling Equipment	128598	9/6/1996	No	9/6/1996	



**New Jersey Department of Environmental Protection  
Equipment Inventory**

<b>Equip. NJID</b>	<b>Facility's Designation</b>	<b>Equipment Description</b>	<b>Equipment Type</b>	<b>Certificate Number</b>	<b>Install Date</b>	<b>Grand- Fathered</b>	<b>Last Mod. (Since 1968)</b>	<b>Equip. Set ID</b>
E75	reject bin	Reject Bin	Manufacturing and Materials Handling Equipment	PCP050001	7/21/2005	No		
E102	Bag Packer 2	Bag Packer 2	Manufacturing and Materials Handling Equipment	BOP090001	10/16/1998	No		
E103	Supersac	Supersac Loading	Manufacturing and Materials Handling Equipment	BOP190005	11/1/2019			
E104	Reclaim Conv	Reclaim Belt Conveyor	Manufacturing and Materials Handling Equipment	BOP090001	1/1/1985	No		
E106	Barrel Separ	Barrel Separator	Manufacturing and Materials Handling Equipment	BOP090001	1/15/1989	No		
E107	#7 Belt	#7 Belt in Crusher Building	Manufacturing and Materials Handling Equipment	BOP090001	1/15/1962	Yes		
E108	#8 Belt	#8 Belt in Crusher Building	Manufacturing and Materials Handling Equipment	BOP090001	1/15/1962	Yes		
E109	#9 Belt	#9 Belt in Transfer Tower	Manufacturing and Materials Handling Equipment	BOP090001	1/15/1962	Yes		
E110	Main Crusher	Main Crusher in Crusher Building	Manufacturing and Materials Handling Equipment	BOP090001	1/15/1962	Yes		



**New Jersey Department of Environmental Protection  
Equipment Inventory**

<b>Equip. NJID</b>	<b>Facility's Designation</b>	<b>Equipment Description</b>	<b>Equipment Type</b>	<b>Certificate Number</b>	<b>Install Date</b>	<b>Grand- Fathered</b>	<b>Last Mod. (Since 1968)</b>	<b>Equip. Set ID</b>
E111	Wobbler	Wobbler Separator in Crusher Building	Manufacturing and Materials Handling Equipment	BOP090001	1/15/1988	No		
E112	Auger #1	Cement Discharge Auger	Manufacturing and Materials Handling Equipment	BOP160001	9/19/2016	No		
E113	Hopper	Feed Hopper	Manufacturing and Materials Handling Equipment	BOP160002	3/1/2017	No		
E114	Delump-Augur	Delumper/Discharge Auger	Manufacturing and Materials Handling Equipment	BOP160002	3/1/2017	No		
E115	VacuumLoader	Vacuum Loader	Manufacturing and Materials Handling Equipment	BOP170002	2/1/2018			
E116	HopperDryer	Hopper Dryer	Manufacturing and Materials Handling Equipment	BOP170002	2/1/2018			
E117	PigmentFeed1	Pigment Feeder 1	Manufacturing and Materials Handling Equipment	BOP170002	2/1/2018			
E118	PigmentFeed2	Pigment Feeder 2	Manufacturing and Materials Handling Equipment	BOP170002	2/1/2018			
E119	ResinExtrude	Resin Extruder	Manufacturing and Materials Handling Equipment	BOP170002	2/1/2018			



**New Jersey Department of Environmental Protection  
Equipment Inventory**

<b>Equip. NJID</b>	<b>Facility's Designation</b>	<b>Equipment Description</b>	<b>Equipment Type</b>	<b>Certificate Number</b>	<b>Install Date</b>	<b>Grand- Fathered</b>	<b>Last Mod. (Since 1968)</b>	<b>Equip. Set ID</b>
E120	Cooling Sys	Cooling Tower/Water Tank	Other Equipment	BOP170002	2/1/2018			
E121	PP Silo	Polypropylene Pellet Silo	Storage Vessel	BOP190005	11/1/2019			



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E3 (Fuel Combustion Equipment (Other))  
Print Date: 9/8/2020

Make:	Calcining Kettle
Manufacturer:	The J.B. Ehram & Sons Manufacturing Co.
Model:	10 X 13 ft
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	14.00
Type of Heat Exchange:	Indirect
Equipment Type Description:	Burner: Hauck/BBC2106

Have you attached a diagram showing the location and/or the configuration of this equipment?

☐ Yes  
☒ No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

☐ Yes  
☒ No

Comments:

Include Emission Rates on the Potential to Emit Screen for each contaminant in ppmvd @ 7%O2 in addition to lbs/hr and tons/yr.



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E4 (Fuel Combustion Equipment (Other))  
Print Date: 9/8/2020

Make:	Calcining Kettle
Manufacturer:	The J.B. Ehram & Sons Manufacturing Co.
Model:	10 X 13 ft
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	14.00
Type of Heat Exchange:	Indirect
Equipment Type Description:	Burner: T-Thermal Co./LV- Vortex

Have you attached a diagram showing the location and/or the configuration of this equipment?

☐ Yes  
☒ No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

☐ Yes  
☒ No

Comments:

Include Emission Rates on the Potential to Emit Screen for each contaminant in ppmvd @ 7%O2 in addition to lbs/hr and tons/yr.



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E5 (Fuel Combustion Equipment (Other))  
Print Date: 9/8/2020

Make:	Calcining Kettle
Manufacturer:	The J.B. Ehram & Sons Manufacturing Co.
Model:	10 X 13 ft
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	14.00
Type of Heat Exchange:	Indirect
Equipment Type Description:	Burner: T-Thermal Co./LV- Vortex

Have you attached a diagram showing the location and/or the configuration of this equipment?

☐ Yes  
☒ No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

☐ Yes  
☒ No

Comments:

Include Emission Rates on the Potential to Emit Screen for each contaminant in ppmvd @ 7%O2 in addition to lbs/hr and tons/yr.



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E6 (Boiler)  
Print Date: 9/8/2020

Make:	<input type="text" value="Weil McClain"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text" value="BHO-40-10"/>
Maximum Rated Gross Heat Input (MMBtu/hr - HHV):	<input type="text" value="2.50"/>
Boiler Type:	<input type="text"/>
Utility Type:	<input type="text" value="Non-Utility"/>
Output Type:	<input type="text"/>
Steam Output (lb/hr):	<input type="text"/>
Fuel Firing Method:	<input type="text"/>
Description (if other):	<input type="text"/>
Draft Type:	<input type="text"/>
Heat Exchange Type:	<input type="text"/>

Is the boiler using? (check all that apply):

Low NOx Burner:	<input type="checkbox"/>	Type: <input type="text"/>
Staged Air Combustion:	<input type="checkbox"/>	
Flue Gas Recirculation (FGR):	<input type="checkbox"/>	Amount (%): <input type="text"/>

Have you attached a diagram showing the location and/or the configuration of this equipment?

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

Comments:



Make:	COE multi-deck kiln
Manufacturer:	Hauck
Model:	Beta BBC or BBG
Equipment Type Description:	Board Dryer - 4 heating zones
Maximum Rated Gross Heat Input (MMBtu/hr):	75
Type of Heat Exchange:	direct fire
Have you attached a diagram showing the location and/or configuration of this equipment?	
Have you attached any manufacturer's data or specifications which may aid in the review of this application?	
Comments:	none

Include Emission Rates on the Potential to Emit Screen for each contaminant in ppmvd @ 7%O<sub>2</sub> in addition to lbs/hr and tons/yr.



Make:

Manufacturer:

Model:

Equipment Type Description:

Maximum Rated Gross Heat Input (MMBtu/hr):

Draft Type:

Firing Method:

Is the Process Heater using?

Low NOx Burner

Type of Low NOx Burner:

Flue Gas Recirculation (FGR)

Have you attached a diagram showing the location and/or configuration of this equipment?

Have you attached any manufacturer's data or specifications which may aid in the review of this application?

Comments:

Include Emission Rates on the Potential to Emit Screen for each contaminant in ppmvd @ 7%O<sub>2</sub> in addition to lbs/hr and tons/yr.



## 51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E9 (Storage Vessel)

Print Date: 9/8/2020

What type of contents is this storage vessel equipped to contain by design?

Liquids Only

Storage Vessel Type:

Tank

Design Capacity:

6,000

Units:

gallons

Ground Location:

Above Ground

Is the Shell of the Equipment

No

Exposed to Sunlight?

Shell Color:

Description (if other):

Shell Condition:

Paint Condition:

Good

Shell Construction:

Is the Shell Insulated?

No

Type of Insulation:

Insulation Thickness (in):

Thermal Conductivity of Insulation  
[(BTU)(in)(hr)(ft<sup>2</sup>)(deg F)]:

Shape of Storage Vessel:

Cylindrical

Shell Height (From Ground to Roof  
Bottom) (ft):

20.00

Length (ft):

Width (ft):

Diameter (ft):

7.00

Other Dimension

Description:

Value:

Units:

Fill Method:

Top Pipe

Description (if other):

Maximum Design Fill Rate:

60.00

Units:

gal/min

Does the storage vessel have  
a roof or an open top?

Roof Type:

Roof Height (From Roof  
Bottom

to Roof Top) (ft):

Roof Construction:

Primary Seal Type:

Secondary Seal Type:

Total Number of Seals:

Roof Support:

Does the storage vessel  
have a Vapor Return Loop?



**51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E9 (Storage Vessel)**

**Print Date: 9/8/2020**

Does the storage vessel  
have a Conservation Vent?

Have you attached a diagram  
showing the location and/or the  
configuration of this equipment?

Have you attached any manuf.'s  
data or specifications to aid the  
Dept. in its review of this  
application?

Comments:



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E10 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	Dual Head Wallboard Stripping Machine
Manufacturer:	The Brackett Stripping Machine Company
Model:	W
Type of Manufacturing and Materials Handling Equipment:	Board end saw
Capacity:	6.00E+02
Units:	other units
Description (if other):	lb/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	



Make:	Rotary Rock Dryer
Manufacturer:	
Model:	
Equipment Type Description:	
Maximum Rated Gross Heat Input (MMBtu/hr):	25.5
Type of Heat Exchange:	Direct Fire
Have you attached a diagram showing the location and/or configuration of this equipment?	
Have you attached any manufacturer's data or specifications which may aid in the review of this application?	
Comments:	

Include Emission Rates on the Potential to Emit Screen for each contaminant in ppmvd @ 7%O<sub>2</sub> in addition to lbs/hr and tons/yr.



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E12 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	Conveyor - Load Skirt
Manufacturer:	
Model:	
Type of Manufacturing and Materials Handling Equipment:	conveyor
Capacity:	3.50E+05
Units:	other units
Description (if other):	lb/hour
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E13 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	Conveyor - Discharge chute
Manufacturer:	
Model:	
Type of Manufacturing and Materials Handling Equipment:	conveyor
Capacity:	3.50E+05
Units:	other units
Description (if other):	lb/hour
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	



## 51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E14 (Storage Vessel)

Print Date: 9/8/2020

What type of contents is this storage vessel equipped to contain by design?

Solids Only

Storage Vessel Type:

Bin

Design Capacity:

100

Units:

tons

Ground Location:

Above Ground

Is the Shell of the Equipment

Exposed to Sunlight?

Shell Color:

Description (if other):

Shell Condition:

Paint Condition:

Shell Construction:

Is the Shell Insulated?

Type of Insulation:

Insulation Thickness (in):

Thermal Conductivity of Insulation  
[(BTU)(in)(hr)(ft<sup>2</sup>)(deg F)]:

Shape of Storage Vessel:

Cylindrical

Shell Height (From Ground to Roof  
Bottom) (ft):

40.00

Length (ft):

Width (ft):

Diameter (ft):

15.00

Other Dimension

Description:

Value:

Units:

Fill Method:

Description (if other):

Maximum Design Fill Rate:

Units:

ft<sup>3</sup>/minDoes the storage vessel have  
a roof or an open top?

Roof Type:

Roof Height (From Roof  
Bottom

to Roof Top) (ft):

Roof Construction:

Primary Seal Type:

Secondary Seal Type:

Total Number of Seals:

Roof Support:

Does the storage vessel  
have a Vapor Return Loop?

Does the storage vessel



**51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E14 (Storage Vessel)**

**Print Date: 9/8/2020**

Does the storage vessel  
have a Conservation Vent?

Have you attached a diagram  
showing the location and/or the  
configuration of this equipment?

Have you attached any manuf.'s  
data or specifications to aid the  
Dept. in its review of this  
application?

Comments:



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E15 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Stucco supply elevator"/>
Capacity:	<input type="text" value="1.00E+04"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="lb/hour"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E16 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Stucco recirculating elevator"/>
Capacity:	<input type="text" value="8.00E+04"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="lb/hour"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E17 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="pneumatic conveyor"/>
Capacity:	<input type="text" value="1.00E+03"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="lb/hr"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E18 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	
Manufacturer:	
Model:	
Type of Manufacturing and Materials Handling Equipment:	Stucco mixing screw
Capacity:	7.00E+04
Units:	other units
Description (if other):	lb/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E19 (Storage Vessel)  
Print Date: 9/8/2020

What type of contents is this storage vessel equipped to contain by design?

Solids Only

Storage Vessel Type:

Silo

Design Capacity:

330

Units:

tons

Ground Location:

Above Ground

Is the Shell of the Equipment

Exposed to Sunlight?

Shell Color:

Description (if other):

Shell Condition:

Paint Condition:

Shell Construction:

Is the Shell Insulated?

Type of Insulation:

Insulation Thickness (in):

Thermal Conductivity of Insulation  
[(BTU)(in)(hr)(ft<sup>2</sup>)(deg F)]:

Shape of Storage Vessel:

Cylindrical

Shell Height (From Ground to Roof  
Bottom) (ft):

54.00

Length (ft):

Width (ft):

Diameter (ft):

18.50

Other Dimension

Description:

Value:

Units:

Fill Method:

Top Pipe

Description (if other):

Maximum Design Fill Rate:

90,000.00

Units:

Does the storage vessel have  
a roof or an open top?

Roof Type:

Roof Height (From Roof  
Bottom  
to Roof Top) (ft):

Roof Construction:

Primary Seal Type:

Secondary Seal Type:

Total Number of Seals:

Roof Support:

Does the storage vessel  
have a Vapor Return Loop?

Does the storage vessel



**51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E19 (Storage Vessel)**

**Print Date: 9/8/2020**

Does the storage vessel  
have a Conservation Vent?

Have you attached a diagram  
showing the location and/or the  
configuration of this equipment?

Have you attached any manuf.'s  
data or specifications to aid the  
Dept. in its review of this  
application?

Comments:



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E20 (Storage Vessel)  
Print Date: 9/8/2020

What type of contents is this storage vessel equipped to contain by design?

Solids Only

Storage Vessel Type:

Silo

Design Capacity:

330

Units:

tons

Ground Location:

Above Ground

Is the Shell of the Equipment

Exposed to Sunlight?

Shell Color:

Description (if other):

Shell Condition:

Paint Condition:

Shell Construction:

Is the Shell Insulated?

Type of Insulation:

Insulation Thickness (in):

Thermal Conductivity of Insulation  
[(BTU)(in)(hr)(ft<sup>2</sup>)(deg F)]:

Shape of Storage Vessel:

Shell Height (From Ground to Roof  
Bottom) (ft):

Length (ft):

Width (ft):

Diameter (ft):

Other Dimension

Description:

Value:

Units:

Fill Method:

Description (if other):

Maximum Design Fill Rate:

Units:

ft<sup>3</sup>/min

Does the storage vessel have  
a roof or an open top?

Roof Type:

Roof Height (From Roof  
Bottom  
to Roof Top) (ft):

Roof Construction:

Primary Seal Type:

Secondary Seal Type:

Total Number of Seals:

Roof Support:

Does the storage vessel  
have a Vapor Return Loop?

Does the storage vessel



**51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E20 (Storage Vessel)**

**Print Date: 9/8/2020**

Does the storage vessel  
have a Conservation Vent?

Have you attached a diagram  
showing the location and/or the  
configuration of this equipment?

Have you attached any manuf.'s  
data or specifications to aid the  
Dept. in its review of this  
application?

Comments:



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E21 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="screw conveyor"/>
Capacity:	<input type="text" value="1.20E+05"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="lb/hr"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	



## 51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E22 (Storage Vessel)

Print Date: 9/8/2020

What type of contents is this storage vessel equipped to contain by design?

Solids Only

Storage Vessel Type:

Bin

Design Capacity:

100

Units:

tons

Ground Location:

Above Ground

Is the Shell of the Equipment

Exposed to Sunlight?

Shell Color:

Description (if other):

Shell Condition:

Paint Condition:

Shell Construction:

Is the Shell Insulated?

Type of Insulation:

Insulation Thickness (in):

Thermal Conductivity of Insulation  
[(BTU)(in)(hr)(ft<sup>2</sup>)(deg F)]:

Shape of Storage Vessel:

Cylindrical

Shell Height (From Ground to Roof  
Bottom) (ft):

Length (ft):

Width (ft):

Diameter (ft):

Other Dimension

Description:

Value:

Units:

Fill Method:

Description (if other):

Maximum Design Fill Rate:

Units:

ft<sup>3</sup>/minDoes the storage vessel have  
a roof or an open top?

Roof Type:

Roof Height (From Roof  
Bottom  
to Roof Top) (ft):

Roof Construction:

Primary Seal Type:

Secondary Seal Type:

Total Number of Seals:

Roof Support:

Does the storage vessel  
have a Vapor Return Loop?

Does the storage vessel



**51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E22 (Storage Vessel)**

**Print Date: 9/8/2020**

Does the storage vessel  
have a Conservation Vent?

Have you attached a diagram  
showing the location and/or the  
configuration of this equipment?

Have you attached any manuf.'s  
data or specifications to aid the  
Dept. in its review of this  
application?

Comments:



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E23 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Gypsum mixing"/>
Capacity:	<input type="text" value="7.00E+04"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="lb/hr"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E24 (Fuel Combustion Equipment (Other))  
Print Date: 9/8/2020

Make:	
Manufacturer:	Raymond
Model:	
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	5.00
Type of Heat Exchange:	Direct
Equipment Type Description:	Crushing & Grinding Gypsum Rock, 5.40E+04 lb/hr

Have you attached a diagram showing the location and/or the configuration of this equipment?

<input checked="" type="radio"/> Yes
<input type="radio"/> No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

<input type="radio"/> Yes
<input checked="" type="radio"/> No

Comments:

Include Emission Rates on the Potential to Emit Screen for each contaminant in ppmvd @ 7%O2 in addition to lbs/hr and tons/yr.



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E25 (Fuel Combustion Equipment (Other))  
Print Date: 9/8/2020

Make:	
Manufacturer:	Raymond
Model:	
Maximum rated Gross Heat Input (MMBtu/hr-HHV):	5.00
Type of Heat Exchange:	Direct
Equipment Type Description:	Crushing & Grinding Gypsum Rock, 5.40E+04 lb/hr

Have you attached a diagram showing the location and/or the configuration of this equipment?

<input checked="" type="radio"/> Yes
<input type="radio"/> No

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

<input type="radio"/> Yes
<input checked="" type="radio"/> No

Comments:

Include Emission Rates on the Potential to Emit Screen for each contaminant in ppmvd @ 7%O2 in addition to lbs/hr and tons/yr.



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E26 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Bin"/>
Capacity:	<input type="text" value="1.00E+02"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="tons"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E27 (Storage Vessel)  
Print Date: 9/8/2020

What type of contents is this storage vessel equipped to contain by design?

Solids Only

Storage Vessel Type:

Bin

Design Capacity:

110

Units:

tons

Ground Location:

Above Ground

Is the Shell of the Equipment

Exposed to Sunlight?

Shell Color:

Description (if other):

Shell Condition:

Paint Condition:

Shell Construction:

Is the Shell Insulated?

Type of Insulation:

Insulation Thickness (in):

Thermal Conductivity of Insulation  
[(BTU)(in)(hr)(ft<sup>2</sup>)(deg F)]:

Shape of Storage Vessel:

Cylindrical

Shell Height (From Ground to Roof  
Bottom) (ft):

Length (ft):

Width (ft):

Diameter (ft):

Other Dimension

Description:

Value:

Units:

Fill Method:

Description (if other):

Maximum Design Fill Rate:

Units:

ft<sup>3</sup>/min

Does the storage vessel have  
a roof or an open top?

Roof Type:

Roof Height (From Roof  
Bottom

to Roof Top) (ft):

Roof Construction:

Primary Seal Type:

Secondary Seal Type:

Total Number of Seals:

Roof Support:

Does the storage vessel  
have a Vapor Return Loop?

Does the storage vessel



**51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E27 (Storage Vessel)**

**Print Date: 9/8/2020**

Does the storage vessel  
have a Conservation Vent?

Have you attached a diagram  
showing the location and/or the  
configuration of this equipment?

Have you attached any manuf.'s  
data or specifications to aid the  
Dept. in its review of this  
application?

Comments:



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E28 (Storage Vessel)  
Print Date: 9/8/2020

What type of contents is this storage vessel equipped to contain by design?

Solids Only

Storage Vessel Type:

Bin

Design Capacity:

110

Units:

tons

Ground Location:

Above Ground

Is the Shell of the Equipment

Exposed to Sunlight?

Shell Color:

Description (if other):

Shell Condition:

Paint Condition:

Shell Construction:

Is the Shell Insulated?

Type of Insulation:

Insulation Thickness (in):

Thermal Conductivity of Insulation  
[(BTU)(in)(hr)(ft<sup>2</sup>)(deg F)]:

Shape of Storage Vessel:

Cylindrical

Shell Height (From Ground to Roof  
Bottom) (ft):

Length (ft):

Width (ft):

Diameter (ft):

Other Dimension

Description:

Value:

Units:

Fill Method:

Description (if other):

Maximum Design Fill Rate:

Units:

ft<sup>3</sup>/min

Does the storage vessel have  
a roof or an open top?

Roof Type:

Roof Height (From Roof  
Bottom  
to Roof Top) (ft):

Roof Construction:

Primary Seal Type:

Secondary Seal Type:

Total Number of Seals:

Roof Support:

Does the storage vessel  
have a Vapor Return Loop?

Does the storage vessel



**51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E28 (Storage Vessel)**

**Print Date: 9/8/2020**

Does the storage vessel  
have a Conservation Vent?

Have you attached a diagram  
showing the location and/or the  
configuration of this equipment?

Have you attached any manuf.'s  
data or specifications to aid the  
Dept. in its review of this  
application?

Comments:



## 51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E29 (Storage Vessel)

Print Date: 9/8/2020

What type of contents is this storage vessel equipped to contain by design?

Solids Only

Storage Vessel Type:

Bin

Design Capacity:

110

Units:

tons

Ground Location:

Above Ground

Is the Shell of the Equipment

Exposed to Sunlight?

Shell Color:

Description (if other):

Shell Condition:

Paint Condition:

Shell Construction:

Is the Shell Insulated?

Type of Insulation:

Insulation Thickness (in):

Thermal Conductivity of Insulation  
[(BTU)(in)(hr)(ft<sup>2</sup>)(deg F)]:

Shape of Storage Vessel:

Cylindrical

Shell Height (From Ground to Roof  
Bottom) (ft):

Length (ft):

Width (ft):

Diameter (ft):

Other Dimension

Description:

Value:

Units:

Fill Method:

Description (if other):

Maximum Design Fill Rate:

Units:

ft<sup>3</sup>/minDoes the storage vessel have  
a roof or an open top?

Roof Type:

Roof Height (From Roof  
Bottom  
to Roof Top) (ft):

Roof Construction:

Primary Seal Type:

Secondary Seal Type:

Total Number of Seals:

Roof Support:

Does the storage vessel  
have a Vapor Return Loop?

Does the storage vessel



**51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E29 (Storage Vessel)**

**Print Date: 9/8/2020**

Does the storage vessel  
have a Conservation Vent?

Have you attached a diagram  
showing the location and/or the  
configuration of this equipment?

Have you attached any manuf.'s  
data or specifications to aid the  
Dept. in its review of this  
application?

Comments:



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E30 (Storage Vessel)  
Print Date: 9/8/2020

What type of contents is this storage vessel equipped to contain by design?

Solids Only

Storage Vessel Type:

Bin

Design Capacity:

100

Units:

tons

Ground Location:

Above Ground

Is the Shell of the Equipment

Exposed to Sunlight?

Shell Color:

Description (if other):

Shell Condition:

Paint Condition:

Shell Construction:

Is the Shell Insulated?

Type of Insulation:

Insulation Thickness (in):

Thermal Conductivity of Insulation  
[(BTU)(in)(hr)(ft<sup>2</sup>)(deg F)]:

Shape of Storage Vessel:

Cylindrical

Shell Height (From Ground to Roof  
Bottom) (ft):

19.00

Length (ft):

Width (ft):

Diameter (ft):

18.50

Other Dimension

Description:

Value:

Units:

Fill Method:

Top Pipe

Description (if other):

Maximum Design Fill Rate:

40,000.00

Units:

Does the storage vessel have  
a roof or an open top?

Roof Type:

Roof Height (From Roof  
Bottom

to Roof Top) (ft):

Roof Construction:

Primary Seal Type:

Secondary Seal Type:

Total Number of Seals:

Roof Support:

Does the storage vessel  
have a Vapor Return Loop?

Does the storage vessel



**51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E30 (Storage Vessel)**

**Print Date: 9/8/2020**

Does the storage vessel  
have a Conservation Vent?

Have you attached a diagram  
showing the location and/or the  
configuration of this equipment?

Have you attached any manuf.'s  
data or specifications to aid the  
Dept. in its review of this  
application?

Comments:

Max. fill rate = 40,000 lb/hr



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E31 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Elevator discharge screw conveyor-14"/>
Capacity:	<input type="text" value="9.00E+04"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="lb/hr"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E32 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	
Manufacturer:	
Model:	
Type of Manufacturing and Materials Handling Equipment:	Collecting screw conveyor
Capacity:	9.00E+04
Units:	other units
Description (if other):	lb/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E33 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	
Manufacturer:	
Model:	
Type of Manufacturing and Materials Handling Equipment:	Cross screw conveyor-14"
Capacity:	9.00E+04
Units:	other units
Description (if other):	lb/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E34 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Elevator discharge screw conveyor"/>
Capacity:	<input type="text" value="9.00E+04"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="lb/hr"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E35 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Collecting screw conveyor-14"/>
Capacity:	<input type="text" value="9.00E+04"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="lb/hr"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E36 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	
Manufacturer:	
Model:	
Type of Manufacturing and Materials Handling Equipment:	Cross screw conveyor-14"
Capacity:	9.00E+04
Units:	other units
Description (if other):	lb/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E37 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="screw conveyor-14"/>
Capacity:	<input type="text" value="9.00E+04"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="lb/hr"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E38 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Landplaster Bulk loading"/>
Capacity:	<input type="text" value="7.00E+04"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="lbs/hr"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text"/>
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E40 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	
Manufacturer:	
Model:	
Type of Manufacturing and Materials Handling Equipment:	Crusher for grinding wallboard for recycling
Capacity:	1.00E+04
Units:	other units
Description (if other):	lb/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E42 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Bin"/>
Capacity:	<input type="text" value="5.50E+01"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="tons"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E43 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Bag Packer"/>
Capacity:	<input type="text" value="2.00E+04"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="lb/hr"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E44 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	
Manufacturer:	
Model:	
Type of Manufacturing and Materials Handling Equipment:	Gypsum plaster weighing and blending
Capacity:	2.00E+04
Units:	other units
Description (if other):	lb/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E45 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	
Manufacturer:	
Model:	
Type of Manufacturing and Materials Handling Equipment:	Filling gypsum rock bin
Capacity:	2.80E+05
Units:	other units
Description (if other):	lb/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E46 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	
Manufacturer:	
Model:	
Type of Manufacturing and Materials Handling Equipment:	Filling gypsum rock bin
Capacity:	2.80E+05
Units:	other units
Description (if other):	lb/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E47 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Filling gypsum rock bin"/>
Capacity:	<input type="text" value="2.80E+05"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="lb/hr"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E48 (Storage Vessel)  
Print Date: 9/8/2020

What type of contents is this storage vessel equipped to contain by design?

Solids Only

Storage Vessel Type:

Bin

Design Capacity:

40

Units:

tons

Ground Location:

Above Ground

Is the Shell of the Equipment

Exposed to Sunlight?

Shell Color:

Description (if other):

Shell Condition:

Paint Condition:

Shell Construction:

Is the Shell Insulated?

Type of Insulation:

Insulation Thickness (in):

Thermal Conductivity of Insulation  
[(BTU)(in)(hr)(ft<sup>2</sup>)(deg F)]:

Shape of Storage Vessel:

Cylindrical

Shell Height (From Ground to Roof  
Bottom) (ft):

Length (ft):

Width (ft):

Diameter (ft):

Other Dimension

Description:

Value:

Units:

Fill Method:

Description (if other):

Maximum Design Fill Rate:

Units:

ft<sup>3</sup>/min

Does the storage vessel have  
a roof or an open top?

Roof Type:

Roof Height (From Roof  
Bottom  
to Roof Top) (ft):

Roof Construction:

Primary Seal Type:

Secondary Seal Type:

Total Number of Seals:

Roof Support:

Does the storage vessel  
have a Vapor Return Loop?

Does the storage vessel



**51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E48 (Storage Vessel)**

**Print Date: 9/8/2020**

Does the storage vessel  
have a Conservation Vent?

Have you attached a diagram  
showing the location and/or the  
configuration of this equipment?

Have you attached any manuf.'s  
data or specifications to aid the  
Dept. in its review of this  
application?

Comments:



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E49 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	Impact Mill
Manufacturer:	Entoleter
Model:	544
Type of Manufacturing and Materials Handling Equipment:	Impact mill
Capacity:	2.00E+04
Units:	other units
Description (if other):	lb/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E50 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Stucco screen"/>
Capacity:	<input type="text" value="2.00E+04"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="lb/hr"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	



## 51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E51 (Storage Vessel)

Print Date: 9/8/2020

What type of contents is this storage vessel equipped to contain by design?

Solids Only

Storage Vessel Type:

Bin

Design Capacity:

100

Units:

tons

Ground Location:

Above Ground

Is the Shell of the Equipment

Exposed to Sunlight?

Shell Color:

Description (if other):

Shell Condition:

Paint Condition:

Shell Construction:

Is the Shell Insulated?

Type of Insulation:

Insulation Thickness (in):

Thermal Conductivity of Insulation  
[(BTU)(in)(hr)(ft<sup>2</sup>)(deg F)]:

Shape of Storage Vessel:

Cylindrical

Shell Height (From Ground to Roof  
Bottom) (ft):

Length (ft):

Width (ft):

Diameter (ft):

Other Dimension

Description:

Value:

Units:

Fill Method:

Description (if other):

Maximum Design Fill Rate:

Units:

Does the storage vessel have  
a roof or an open top?

Roof Type:

Roof Height (From Roof  
Bottom

to Roof Top) (ft):

Roof Construction:

Primary Seal Type:

Secondary Seal Type:

Total Number of Seals:

Roof Support:

Does the storage vessel  
have a Vapor Return Loop?

Does the storage vessel



**51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E51 (Storage Vessel)**

**Print Date: 9/8/2020**

Does the storage vessel  
have a Conservation Vent?

Have you attached a diagram  
showing the location and/or the  
configuration of this equipment?

Have you attached any manuf.'s  
data or specifications to aid the  
Dept. in its review of this  
application?

Comments:



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E52 (Storage Vessel)  
Print Date: 9/8/2020

What type of contents is this storage vessel equipped to contain by design?

Solids Only

Storage Vessel Type:

Bin

Design Capacity:

Units:

Ground Location:

Above Ground

Is the Shell of the Equipment

Exposed to Sunlight?

Shell Color:

Description (if other):

Shell Condition:

Paint Condition:

Shell Construction:

Is the Shell Insulated?

Type of Insulation:

Insulation Thickness (in):

Thermal Conductivity of Insulation  
[(BTU)(in)(hr)(ft<sup>2</sup>)(deg F)]:

Shape of Storage Vessel:

Cylindrical

Shell Height (From Ground to Roof  
Bottom) (ft):

Length (ft):

Width (ft):

Diameter (ft):

Other Dimension

Description:

Value:

Units:

Fill Method:

Description (if other):

Maximum Design Fill Rate:

Units:

ft<sup>3</sup>/min

Does the storage vessel have  
a roof or an open top?

Roof Type:

Roof Height (From Roof  
Bottom

to Roof Top) (ft):

Roof Construction:

Primary Seal Type:

Secondary Seal Type:

Total Number of Seals:

Roof Support:

Does the storage vessel  
have a Vapor Return Loop?

Does the storage vessel



**51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E52 (Storage Vessel)**

**Print Date: 9/8/2020**

Does the storage vessel  
have a Conservation Vent?

Have you attached a diagram  
showing the location and/or the  
configuration of this equipment?

Have you attached any manuf.'s  
data or specifications to aid the  
Dept. in its review of this  
application?

Comments:



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E53 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="gypsum mill grinder"/>
Capacity:	<input type="text" value="4.00E+04"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="lb/hr"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E54 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="gypsum mill grinder"/>
Capacity:	<input type="text" value="4.00E+04"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="lb/hr"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E55 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="gypsum mill grinder"/>
Capacity:	<input type="text" value="4.00E+04"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="lb/hr"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E56 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	
Manufacturer:	
Model:	
Type of Manufacturing and Materials Handling Equipment:	gypsum mill grinder
Capacity:	4.00E+04
Units:	other units
Description (if other):	lb/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E57 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	Custom
Manufacturer:	Custom
Model:	Martin C85-14 equivalent
Type of Manufacturing and Materials Handling Equipment:	non-metallic minerals
Capacity:	5.45E+02
Units:	other units
Description (if other):	CFH
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E58 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	KEK Centrifugal Sifting Machine
Manufacturer:	Kemutec
Model:	K1350
Type of Manufacturing and Materials Handling Equipment:	non-metallic minerals
Capacity:	5.00E+04
Units:	other units
Description (if other):	lbs/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E59 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Dry additive elevator"/>
Capacity:	<input type="text" value="1.00E+03"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="lb/hr"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E60 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	Martin
Manufacturer:	Martin
Model:	C85-105
Type of Manufacturing and Materials Handling Equipment:	Feed bin elevator
Capacity:	2.00E+04
Units:	other units
Description (if other):	lb/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E61 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	
Manufacturer:	
Model:	
Type of Manufacturing and Materials Handling Equipment:	Bin elevator
Capacity:	4.00E+04
Units:	other units
Description (if other):	lb/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	This elevator was a grandfathered piece of equipment. The capacity was assumed to be the same as the Stucco Reserve Bin #3 fill rate.



Make:	Diagrah
Manufacturer:	Diagraph
Model:	
Type of Press:	Screen
Does this Press use Fountain Solution?	no
Maximum Consumption of Fountain Solution (gal/yr):	na
Density of VOC in the Fountain Solution (lbs/gal):	na
Maximum % volume of VOC as Applied in the Fountain Solution:	na
Maximum % Volume of Water in the Fountain Solution:	na
Maximum Temperature of the Fountain Solution (deg F):	na
Solution Used for Cleaning the Press:	na
Maximum Cleaning Solution used in any one hour. (gal/hr):	na
Maximum Cleaning Solution used in a year. (gal/yr):	na
Density of VOC in the Cleaning Solution (lbs/gal):	na
Have you Attached the MSDS for the Fountain and Cleaning Solutions?	
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E65 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	Conveyor - Load Skirt
Manufacturer:	
Model:	
Type of Manufacturing and Materials Handling Equipment:	conveyor
Capacity:	3.50E+05
Units:	other units
Description (if other):	lb/hour
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E66 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Stucco Scalping Screw"/>
Capacity:	<input type="text" value="1.00E+04"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="lb/hr"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E67 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	
Manufacturer:	
Model:	
Type of Manufacturing and Materials Handling Equipment:	Stucco weigh belt feeder
Capacity:	1.00E+04
Units:	other units
Description (if other):	lb/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E68 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	Series 20
Manufacturer:	New York Blower
Model:	364 DH Arr. 9
Type of Manufacturing and Materials Handling Equipment:	Vacuum System
Capacity:	1.00E+04
Units:	other units
Description (if other):	cfm
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	Maximum wet gypsum board process rate is 1600 lb/min



Make:	Size 33 AcoustalFoil
Manufacturer:	New York Blower
Model:	33 PLR Class IV, Arr 1
Equipment Type:	Centrifugal Blower and Ductwork
Capacity:	30000
Units:	cfm
Have you attached a diagram showing the location and/or configuration of this equipment?	no
Have you attached any manufacturer's data or specifications which may aid in the review of this application?	
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E70 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	Impact Mill
Manufacturer:	Entoleter
Model:	544
Type of Manufacturing and Materials Handling Equipment:	Impact mill
Capacity:	2.00E+04
Units:	other units
Description (if other):	lb/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E71 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="bulk stucco loading"/>
Capacity:	<input type="text" value="2.00E+04"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="lb/hr"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="No"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E75 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	Not Available
Manufacturer:	Not Available
Model:	Not Available
Type of Manufacturing and Materials Handling Equipment:	Storage Bin
Capacity:	3.00E+01
Units:	other units
Description (if other):	Tons
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E101 (Surface Coating Equipment (Non-Fabric Material))  
Print Date: 9/8/2020

Make:	<input type="text" value="Curtain Coater"/>	
Manufacturer:	<input type="text"/>	
Model:	<input type="text"/>	
Method of Application:	<input type="text" value="Other"/>	Spray Type: <input type="text"/>
Description:	<input type="text" value="Flow Coater"/>	
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="radio"/> Yes <input checked="" type="radio"/> No	Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application? <input type="radio"/> Yes <input checked="" type="radio"/> No
Comments:		



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E102 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	Bag Packer 2
Manufacturer:	
Model:	
Type of Manufacturing and Materials Handling Equipment:	Gypcrete
Capacity:	2.00E+04
Units:	other units
Description (if other):	lb/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E103 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	NBE Bulk Filling System
Manufacturer:	National Bulk Equipment
Model:	
Type of Manufacturing and Materials Handling Equipment:	Bulk Bag Packer
Capacity:	6.00E+04
Units:	other units
Description (if other):	lbs/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	Yes
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E104 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	Reclaim Belt Conveyor
Manufacturer:	
Model:	
Type of Manufacturing and Materials Handling Equipment:	
Capacity:	5.00E+01
Units:	other units
Description (if other):	tons/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E106 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	Barrel Separator
Manufacturer:	
Model:	
Type of Manufacturing and Materials Handling Equipment:	stucco
Capacity:	6.00E+01
Units:	other units
Description (if other):	tons/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	Unit is to remove waste from the stucco, ie metal, paper, trash.



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E107 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	#7 Belt
Manufacturer:	
Model:	
Type of Manufacturing and Materials Handling Equipment:	Non-metallic minerals
Capacity:	1.75E+02
Units:	other units
Description (if other):	tons/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E108 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	#8 Belt
Manufacturer:	
Model:	
Type of Manufacturing and Materials Handling Equipment:	Non-metallic minerals
Capacity:	1.75E+02
Units:	other units
Description (if other):	tons/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E109 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	#9 Belt
Manufacturer:	
Model:	
Type of Manufacturing and Materials Handling Equipment:	Non-metallic minerals
Capacity:	1.75E+02
Units:	other units
Description (if other):	tons/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E110 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	Main Crusher
Manufacturer:	
Model:	
Type of Manufacturing and Materials Handling Equipment:	Non-metallic minerals
Capacity:	1.75E+02
Units:	other units
Description (if other):	tons/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E111 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	<input type="text" value="Wobbler Separator"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Non-metallic minerals"/>
Capacity:	<input type="text" value="1.75E+02"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="tons/hr"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	



**51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E112 (Manufacturing and Materials Handling Equipment)**  
**Print Date: 9/8/2020**

Make:	Hydraulic System
Manufacturer:	Posi-Shell
Model:	HS 50T
Type of Manufacturing and Materials Handling Equipment:	Portland Cement
Capacity:	1.00E+01
Units:	other units
Description (if other):	ton/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	No
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	The Hydraulic System consists of 7" Horizontal Auger and 9" Diagonal auger which will deliver 10 tons of Portland Cement per hour to the landfill pick up point.



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E113 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	Crushers
Manufacturer:	DeLumper
Model:	L-Series
Type of Manufacturing and Materials Handling Equipment:	Hopper
Capacity:	4.31E+00
Units:	other units
Description (if other):	tons/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="checkbox"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="checkbox"/>
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E114 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	Crushers
Manufacturer:	DeLumper
Model:	L-Series
Type of Manufacturing and Materials Handling Equipment:	Discharge
Capacity:	4.31E+00
Units:	other units
Description (if other):	tons/hr

Have you attached a diagram showing the location and/or the configuration of this equipment?

☐

Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?

☐

Comments:



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E115 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	<input type="text" value="Vacuum Loader"/>
Manufacturer:	<input type="text" value="Shini Plastics Technologies, Inc."/>
Model:	<input type="text" value="SAL-800G"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Vacuum Loader"/>
Capacity:	<input type="text" value="1.32E+03"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="lbs/hr"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E116 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	Hopper Dryer
Manufacturer:	Shini Plastics Technologies, INC.
Model:	SHD-150-GB
Type of Manufacturing and Materials Handling Equipment:	Hopper Dryer
Capacity:	1.32E+03
Units:	other units
Description (if other):	lbs/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E117 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	<input type="text" value="Vacuum Loader"/>
Manufacturer:	<input type="text" value="Shini Plastics Technologies, INC."/>
Model:	<input type="text" value="SAL-330"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Feeder"/>
Capacity:	<input type="text" value="6.00E+02"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="lbs/hr"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E118 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	<input type="text" value="Vacuum Loader"/>
Manufacturer:	<input type="text" value="Shini Plastics Technologies, INC"/>
Model:	<input type="text" value="SAL-330"/>
Type of Manufacturing and Materials Handling Equipment:	<input type="text" value="Feeder"/>
Capacity:	<input type="text" value="6.00E+02"/>
Units:	<input type="text" value="other units"/>
Description (if other):	<input type="text" value="lbs/hr"/>
Have you attached a diagram showing the location and/or the configuration of this equipment?	<input type="text" value="Yes"/>
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	<input type="text" value="No"/>
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E119 (Manufacturing and Materials Handling Equipment)  
Print Date: 9/8/2020

Make:	Resin Extruder
Manufacturer:	DIDA
Model:	Resin Extruder
Type of Manufacturing and Materials Handling Equipment:	Extruder
Capacity:	8.56E+02
Units:	other units
Description (if other):	lbs/hr
Have you attached a diagram showing the location and/or the configuration of this equipment?	Yes
Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?	No
Comments:	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E120 (Other Equipment)  
Print Date: 9/8/2020

Make:	Cooling System
Manufacturer:	Jinfangyuanshuita
Model:	JFY-50
Equipment Type:	Cooling Tower/Water Tank
Capacity:	220.00
Units:	gal/min
Description:	
Have you attached a diagram showing the location and/or the configuration of this equipment?	Have you attached any manuf.'s data or specifications to aid the Dept. in its review of this application?
<input checked="" type="radio"/> Yes <input type="radio"/> No	<input type="radio"/> Yes <input checked="" type="radio"/> No
Comments:	Circulation rate equivalent to 60,000 lb/hr



## 51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E121 (Storage Vessel)

Print Date: 9/8/2020

What type of contents is this storage vessel equipped to contain by design?

Solids Only

Storage Vessel Type:

Silo

Design Capacity:

3,732

Units:

ft^3

Ground Location:

Is the Shell of the Equipment

Exposed to Sunlight?

Shell Color:

Description (if other):

Shell Condition:

Paint Condition:

Shell Construction:

Welded

Is the Shell Insulated?

Type of Insulation:

Insulation Thickness (in):

Thermal Conductivity of Insulation  
[(BTU)(in)(hr)(ft<sup>2</sup>)(deg F)]:

Shape of Storage Vessel:

Cylindrical

Shell Height (From Ground to Roof  
Bottom) (ft):

Length (ft):

33.00

Width (ft):

Diameter (ft):

12.00

Other Dimension

Description:

Value:

Units:

Fill Method:

Description (if other):

Maximum Design Fill Rate:

Units:

ft^3/min

Does the storage vessel have  
a roof or an open top?

Roof Type:

Roof Height (From Roof  
Bottom

to Roof Top) (ft):

Roof Construction:

Primary Seal Type:

Secondary Seal Type:

Total Number of Seals:

Roof Support:

Does the storage vessel  
have a Vapor Return Loop?

Does the storage vessel



**51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 E121 (Storage Vessel)**

**Print Date: 9/8/2020**

Does the storage vessel  
have a Conservation Vent?

Have you attached a diagram  
showing the location and/or the  
configuration of this equipment?

Have you attached any manuf.'s  
data or specifications to aid the  
Dept. in its review of this  
application?

Comments:



**New Jersey Department of Environmental Protection  
Control Device Inventory**

CD NJID	Facility's Designation	Description	CD Type	Install Date	Grand-Fathered	Last Mod. (Since 1968)	CD Set ID
CD1	1KDC	Kettle #1 Dust Collector	Particulate Filter (Baghouse)	11/30/1995	No	11/30/1995	
CD2	2KDC	Kettle #2 Dust Collector	Particulate Filter (Baghouse)	3/31/1995	No	3/31/1995	
CD3	3KDC	Kettle #3 Dust Collector	Particulate Filter (Baghouse)	12/6/1995	No	12/6/1995	
CD4	ESDC	End Saw Dust Collector	Particulate Filter (Baghouse)	11/17/1995	No	11/17/1995	
CD5	RDBH	Rock Dryer Dust Collector	Particulate Filter (Baghouse)	9/17/1985	No	9/17/1985	
CD6	LBRB	LP Bin #4 Dust Collector (LP Reserve Bin)	Particulate Filter (Baghouse)	3/25/1996	No	10/2/1986	
CD7	WEDC#1	Supply Elevator Dust Collector	Particulate Filter (Baghouse)	9/9/1996	No	10/13/1988	
CD8	LPA1	LP Accelerator (3rd Flr) Dust Collector	Particulate Filter (Baghouse)	11/4/1988	No	11/4/1988	
CD9	SMS1	Stucco Mixing Screw Dust Collector	Particulate Filter (Baghouse)	11/29/1995	No	11/29/1995	
CD10	BPS1	BP #1 Silo Dust Collector	Particulate Filter (Baghouse)	11/22/1995	No	11/22/1995	
CD11	BPS2	BP #2 Silo Dust Collector	Particulate Filter (Baghouse)	11/22/1995	No	11/22/1995	
CD12	441C	441 Screw Dust Collector	Particulate Filter (Baghouse)	11/22/1995	No	11/22/1995	



**New Jersey Department of Environmental Protection  
Control Device Inventory**

CD NJID	Facility's Designation	Description	CD Type	Install Date	Grand-Fathered	Last Mod. (Since 1968)	CD Set ID
CD13	SRB1	Stucco Reserve Bin #1 Dust Collector	Particulate Filter (Baghouse)	11/22/1995	No	11/22/1995	
CD14	PMV1	Mixer Dust Collector	Particulate Filter (Baghouse)	7/13/1990	No	7/13/1990	
CD16	RM1B	Raymond Mill #1 Dust Collector	Particulate Filter (Baghouse)	7/23/1991	No	7/23/1991	
CD18	RM2B	Raymond Mill #2 Dust Collector	Particulate Filter (Baghouse)	5/20/1994	No	5/20/1994	
CD19	4RB	Portland Cement Bin Dust Collector	Particulate Filter (Baghouse)	4/17/1998	No	12/1/1992	
CD20	LPB1	Landplaster Bin #1 Dust Collector	Particulate Filter (Baghouse)	11/9/1995	No	11/9/1995	
CD21	LPB2	Landplaster Bin #2 Dust Collector	Particulate Filter (Baghouse)	11/9/1995	No	11/9/1995	
CD22	LPB3	Landplaster Bin #3 Dust Collector	Particulate Filter (Baghouse)	11/9/1995	No	11/9/1995	
CD23	MPB1	Moulding Plaster Dust Collector (Stucco Reserve Bin #3)	Particulate Filter (Baghouse)	11/22/1995	No	11/22/1995	
CD24	SCBH	Stucco Cooling Dust Collector	Particulate Filter (Baghouse)	12/1/1992	No	12/1/1992	
CD25	Dens Cal DC	Dens Cal Bin Dust Collector	Particulate Filter (Baghouse)	10/28/1998	No	10/28/1998	
CD26	Blndr Pkr DC	Blender and Packer Dust Collector	Particulate Filter (Baghouse)	10/16/1998	No	10/16/1998	



**New Jersey Department of Environmental Protection  
Control Device Inventory**

CD NJID	Facility's Designation	Description	CD Type	Install Date	Grand-Fathered	Last Mod. (Since 1968)	CD Set ID
CD27	LPB4	BP Landplaster Bin Dust Collector (5th floor of Mill)	Particulate Filter (Baghouse)	10/16/1998	No	10/16/1998	
CD28	IM DC	Impact Mill Dust Collector	Particulate Filter (Baghouse)	10/16/1998	No	10/16/1998	
CD29	Screener DC	Impact Mill Screen Dust Collector	Particulate Filter (Baghouse)	10/16/1998	No	10/16/1998	
CD30	#2StccoRsvBn	Stucco Reserve Bin #2 Dust Collector	Particulate Filter (Baghouse)	10/16/1998	No	10/16/1998	
CD31	IMFB DC	Impact Mill Feed Bin Dust Collector	Particulate Filter (Baghouse)	10/16/1998	No	10/16/1998	
CD32	WEDC#2	Schenk Feeder Dust Collector	Particulate Filter (Baghouse)	10/1/2000	No		
CD33	WEDC#3	Recirc. Elevator Dust Collector	Particulate Filter (Baghouse)	10/1/2000	No		
CD34	WEDC#4	Dry Additives Dump Station Dust Collector	Particulate Filter (Baghouse)	10/1/2000	No		
CD35	WEVacDC	Wet End Vacuum Dust Collector	Particulate Filter (Baghouse)	11/7/2001	No		
CD37	BMBH	Ball Mill and Holtec Saw Dust Collector	Particulate Filter (Baghouse)	7/1/2000	No		
CD39	Reject DC	Reject Bin Dust Collector	Particulate Filter (Baghouse)	7/1/2005	No	7/1/2005	
CD40	ExtrusionESP	ESP for Resin Extruder for Opacity Controls	Electrostatic Precipitator	5/1/2018	No		



**New Jersey Department of Environmental Protection  
Control Device Inventory**

<b>CD NJID</b>	<b>Facility's Designation</b>	<b>Description</b>	<b>CD Type</b>	<b>Install Date</b>	<b>Grand-Fathered</b>	<b>Last Mod. (Since 1968)</b>	<b>CD Set ID</b>
CD41	PP SiloCart1	Polypropylene Pellet Silo Cartridge #1	Particulate Filter (Cartridge)	3/1/2020	No		
CD42	PP SiloCart2	Polypropylene Pellet Silo Cartridge #2	Particulate Filter (Cartridge)	3/1/2020	No		
CD43	PP SiloCart3	Polypropylene Pellet Silo Cartridge #3	Particulate Filter (Cartridge)	3/1/2020	No		



**New Jersey Department of Environmental Protection**  
**Emission Points Inventory**

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT3	1KF	Flue Stack	Round	36	97	250	600.0	500.0	900.0	300.0	3,500.0	3,500.0	Up	
PT4	1KDC	Dust Collector Stack	Rectangle	27	85	250	230.0	220.0	240.0	12,000.0	11,500.0	12,500.0	Up	
PT5	2KF	#2 Kettle Burner	Round	36	97	280	450.0	400.0	500.0	3,000.0	2,500.0	3,500.0	Up	
PT6	2KDC	#2 Kettle Dust Collector	Round	27	85	250	230.0	220.0	240.0	12,000.0	11,500.0	12,500.0	Horizontal	
PT7	3KF	#3 Kettle Burner	Round	36	97	280	700.0	500.0	900.0	3,000.0	2,500.0	3,500.0	Up	
PT8	3KDC	#3 Kettle Dust Collector	Round	27	85	280	230.0	210.0	250.0	12,000.0	11,000.0	12,500.0	Up	
PT9	OB1	Boiler for Office Heat	Round	24	40	50	230.0	210.0	250.0	12,000.0	11,000.0	12,500.0	Up	
PT13	PWH1	Process Water Heater	Round	8	60	150	600.0	575.0	625.0	620.0	580.0	630.0	Up	
PT14	AFT1	Alpha Foamer Soap Tank	Round	3	30	100	70.0	50.0	90.0	50.0	25.0	100.0	Up	
PT15	ESDC	Board end saw dust collector	Round	10	95	180	70.0	40.0	100.0	3,800.0	3,600.0	4,000.0	Up	
PT16	RD4,1C,2C,3C	Rotary Dryer and Conveyor Belt System	Round	48	32	450	200.0	180.0	220.0	60,000.0	50,000.0	70,000.0	Up	
PT17	LPRB	Landplaster Reserve Bin Vent	Round	12	70	300	180.0	150.0	200.0	2,000.0	1,800.0	2,200.0	Up	
PT26	RM1B	Raymond Mill #1	Round	22	90	150	180.0	150.0	200.0	10,000.0	9,500.0	10,000.0	Up	
PT27	RM2B	Raymond Mill #2	Round	22	95	150	180.0	150.0	200.0	10,000.0	9,500.0	10,000.0	Up	
PT33	SCBH	Stucco Cooling Baghouse	Round	24	40	250	175.0	160.0	190.0	8,000.0	7,500.0	8,000.0	Horizontal	
PT34	RF	Reclaim Feeder	Round	999	20	450	70.0	20.0	100.0	50.0	40.0	100.0	Up	
PT36	Supersac EP	Supersac Loading Emission Point	Round	15	95	180	70.0	70.0	110.0	17.3	3,000.0	5,000.0	Up	
PT51	WEVacDC	Wet End Vacuum System Stack	Round	22	56	175	80.0	35.0	120.0	9,000.0	8,000.0	10,000.0	Up	



**New Jersey Department of Environmental Protection**  
**Emission Points Inventory**

PT NJID	Facility's Designation	Description	Config.	Equiv. Diam. (in.)	Height (ft.)	Dist. to Prop. Line (ft)	Exhaust Temp. (deg. F)			Exhaust Vol. (acfm)			Discharge Direction	PT Set ID
							Avg.	Min.	Max.	Avg.	Min.	Max.		
PT104	Reclaim Cove	Reclaim Conveyor	Door	55	0	421	70.0	20.0	100.0	50.0	40.0	100.0	Horizontal	
PT107	TransfrTwr1	Transfer Tower Door 1	Door	55	71	423	70.0	20.0	100.0	50.0	40.0	100.0	Horizontal	
PT108	TransfrTwr2	Transfer Tower Door 2	Door	55	61	406	70.0	20.0	100.0	50.0	40.0	100.0	Horizontal	
PT109	CrusherBldg1	Crusher Building Door 1	Door	55	16	421	70.0	20.0	100.0	50.0	40.0	100.0	Horizontal	
PT110	CrusherBldg2	Crusher Building Door 2	Door	55	18	413	70.0	20.0	100.0	50.0	40.0	100.0	Horizontal	
PT111	DeLumper	Franklin Miller Delumper	Rectangle	36	48	250		20.0	110.0		0.0	1.3	Horizontal	
PT115	Building Exh	Building Exhaust	Round	18	25	175	60.0	50.0	70.0	100.0	0.0	200.0	Horizontal	
PT119	ResinExtrude	Resin Extruder	Round	16	42	175	105.0	60.0	150.0	4,550.0	3,300.0	5,800.0	Up	
PT120	Cooling Sys	Cooling System	Round	25	16	175	80.0	60.0	100.0	5,300.0	0.0	10,600.0	Horizontal	
PT151	PP Silo EP	Polypropylene Pellet Silo Emission Point	Round	20	33		100.0			1,200.0			Up	



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 CD1 (Particulate Filter (Baghouse))  
Print Date: 9/8/2020

Make:	
Manufacturer:	Flex-Kleen
Model:	Flex-Kleen 12,000 cfm
Number of Bags:	169
Size of Bags (ft²):	5.06
Total Bag Area (ft²):	855.0
Bag Fabric:	Nomex
Fabric Weight (oz/ft²):	16.00
Fabric Weave:	Trap-10
Fabric Finish:	Singed
Maximum Design Temperature Capability (°F):	425.0
Maximum Design Air Flow Rate (acfm):	12,000.0
Draft Type:	
Maximum Air Flow Rate to Cloth Area Ratio:	5.20
Minimum Operating Pressure Drop (in. H2O):	2.00
Maximum Operating Pressure Drop (in. H2O):	8.00
Method of Monitoring Pressure Drop:	Magnehelic gauge
Maximum Inlet Temperature (°F):	230.0
Minimum Inlet Temperature (°F):	230.0
Dew Point of Gas Stream Maximum Inlet Temperature (°F):	
Maximum Operating Exhaust Gas Flow Rate (acfm):	12,000.0
Maximum Inlet Gas Stream Moisture Content (%):	
Method for Determining When Bag Replacement is Required:	
Method for Determining When Cleaning is Required:	timing
Method of Bag Cleaning:	Pulse Jet
Description:	
Is Bag Cleaning Conducted On-Line?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	1
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	
Have you attached a Particle Size Distribution Analysis?	<input type="radio"/> Yes <input checked="" type="radio"/> No



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 CD1 (Particulate Filter (Baghouse))  
Print Date: 9/8/2020

Have you attached data from recent performance testing?

☐ Yes ☒ No

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?

☐ Yes ☒ No

Have you attached a diagram showing the location and/or configuration of this control apparatus?

☐ Yes ☒ No

Comments:



Make:	Flex-Kleen
Manufacturer:	Flex-Kleen
Model:	
Number of Bags:	169
Size of Bags (ft2 ):	
Total Bag Area (ft2):	855
Bag Fabric:	Nomex
Fabric Weight (oz/ft):	16
Fabric Weave:	Trap-10
Fabric Finish:	Singed
Maximum Design Temperature Capability (deg F):	425
Maximum Design Air Flow Rate (acfm):	12000
Draft Type:	
Maximum Air Flow Rate to Cloth Area Ratio:	5.2 : 1
Minimum Operating Pressure Drop (in. H2O):	2
Maximum Operating Pressure Drop (in. H2O):	8
Method of Monitoring Pressure Drop:	Magnahelic gauge
Maximum Inlet Temperature (deg F):	300
Minimum Inlet Temperature (deg F):	230
Dew Point of Gas Stream (deg F):	
Maximum Operating Exhaust Gas Flow Rate (acfm):	12000
Maximum Inlet Gas Stream Moisture Content (%):	42% relative humidity



Method for Determining When Bag Replacement is Required: visual and gauge

Method for Determining When Cleaning is Required: automatic

Method of Bag Cleaning: pulse jet

Is Bag Cleaning Conducted On-Line? yes

Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-permitted Sources): 1

Alternative Method to Demonstrate Control Apparatus is Operating Properly:

Have you attached a Particle Size Distribution Analysis? no

Have you attached data from recent performance testing? no

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? no

Have you attached a diagram showing the location and/or configuration of this control apparatus? yes

Comments:



### Control Device Design Efficiency Table

[illegible]



Make:	Flex-Kleen
Manufacturer:	Flex-Kleen
Model:	
Number of Bags:	169
Size of Bags (ft2 ):	
Total Bag Area (ft2):	855
Bag Fabric:	Nomex
Fabric Weight (oz/ft):	16
Fabric Weave:	Trap-10
Fabric Finish:	Singed
Maximum Design Temperature Capability (deg F):	425
Maximum Design Air Flow Rate (acfm):	12000
Draft Type:	
Maximum Air Flow Rate to Cloth Area Ratio:	5.2 : 1
Minimum Operating Pressure Drop (in. H2O):	2
Maximum Operating Pressure Drop (in. H2O):	8
Method of Monitoring Pressure Drop:	Magnahelic gauge
Maximum Inlet Temperature (deg F):	300
Minimum Inlet Temperature (deg F):	230
Dew Point of Gas Stream (deg F):	
Maximum Operating Exhaust Gas Flow Rate (acfm):	12000
Maximum Inlet Gas Stream Moisture Content (%):	42% relative humidity



Method for Determining  
When Bag Replacement is  
Required: visual and gauge

Method for Determining  
When Cleaning is Required: automatic

Method of Bag Cleaning: pulse jet

Is Bag Cleaning Conducted  
On-Line? yes

Maximum Number of  
Sources Using this  
Apparatus as a Control  
Device (Include Permitted  
and Non-permitted Sources): 1

Alternative Method to  
Demonstrate Control  
Apparatus is Operating  
Properly:

Have you attached a Particle  
Size Distribution Analysis? no

Have you attached data from  
recent performance testing? no

Have you attached any  
manufacturer's data or  
specifications in support of  
the feasibility and/or  
effectiveness of this control  
apparatus? no

Have you attached a diagram  
showing the location and/or  
configuration of this control  
apparatus? yes

Comments:



### Control Device Design Efficiency Table

[illegible]



Make:	
Manufacturer:	Bayshore Steel
Model:	BSS DCS-10-1200-100-100-TRW
Number of Bags:	100
Size of Bags (ft2 ):	
Total Bag Area (ft2):	1200
Bag Fabric:	polyester
Fabric Weight (oz/ft):	16
Fabric Weave:	felted
Fabric Finish:	singed
Maximum Design Temperature Capability (deg F):	225
Maximum Design Air Flow Rate (acfm):	3800
Draft Type:	forced
Maximum Air Flow Rate to Cloth Area Ratio:	3.17 to 1
Minimum Operating Pressure Drop (in. H2O):	2
Maximum Operating Pressure Drop (in. H2O):	8
Method of Monitoring Pressure Drop:	gauge
Maximum Inlet Temperature (deg F):	ambient
Minimum Inlet Temperature (deg F):	ambient
Dew Point of Gas Stream (deg F):	
Maximum Operating Exhaust Gas Flow Rate (acfm):	3800
Maximum Inlet Gas Stream Moisture Content (%):	



Method for Determining  
When Bag Replacement is  
Required: visual determination

Method for Determining  
When Cleaning is Required: auto

Method of Bag Cleaning: pulse jet

Is Bag Cleaning Conducted  
On-Line? yes

Maximum Number of  
Sources Using this  
Apparatus as a Control  
Device (Include Permitted  
and Non-permitted Sources): 1

Alternative Method to  
Demonstrate Control  
Apparatus is Operating  
Properly: none

Have you attached a Particle  
Size Distribution Analysis? no

Have you attached data from  
recent performance testing? no

Have you attached any  
manufacturer's data or  
specifications in support of  
the feasibility and/or  
effectiveness of this control  
apparatus? no

Have you attached a diagram  
showing the location and/or  
configuration of this control  
apparatus? no

Comments:



### Control Device Design Efficiency Table

[illegible]



Make:	Mikropul
Manufacturer:	Mikropul
Model:	860-J12-20
Number of Bags:	860
Size of Bags (ft2 ):	14.4
Total Bag Area (ft2):	12360
Bag Fabric:	Nomex
Fabric Weight (oz/ft):	16
Fabric Weave:	Felted
Fabric Finish:	Singed
Maximum Design Temperature Capability (deg F):	400
Maximum Design Air Flow Rate (acfm):	48000
Draft Type:	
Maximum Air Flow Rate to Cloth Area Ratio:	4:01
Minimum Operating Pressure Drop (in. H2O):	2
Maximum Operating Pressure Drop (in. H2O):	8
Method of Monitoring Pressure Drop:	Magnahelix Gauge
Maximum Inlet Temperature (deg F):	400
Minimum Inlet Temperature (deg F):	250
Dew Point of Gas Stream (deg F):	
Maximum Operating Exhaust Gas Flow Rate (acfm):	48000
Maximum Inlet Gas Stream Moisture Content (%):	



Method for Determining  
When Bag Replacement is  
Required:

visual

Method for Determining  
When Cleaning is Required:

automatic

Method of Bag Cleaning:

Pulse jet

Is Bag Cleaning Conducted  
On-Line?

yes

Maximum Number of  
Sources Using this  
Apparatus as a Control  
Device (Include Permitted  
and Non-permitted Sources):

4

Alternative Method to  
Demonstrate Control  
Apparatus is Operating  
Properly:

Have you attached a Particle  
Size Distribution Analysis?

Have you attached data from  
recent performance testing?

Have you attached any  
manufacturer's data or  
specifications in support of  
the feasibility and/or  
effectiveness of this control  
apparatus?

Have you attached a diagram  
showing the location and/or  
configuration of this control  
apparatus?

Comments:



### Control Device Design Efficiency Table

[illegible]



Make:	Mikropul
Manufacturer:	Mikropul
Model:	49S-8-20
Number of Bags:	49
Size of Bags (ft2 ):	
Total Bag Area (ft2):	577
Bag Fabric:	Nomex
Fabric Weight (oz/ft):	16
Fabric Weave:	felted
Fabric Finish:	singed
Maximum Design Temperature Capability (deg F):	250
Maximum Design Air Flow Rate (acfm):	2000
Draft Type:	
Maximum Air Flow Rate to Cloth Area Ratio:	6 to 1
Minimum Operating Pressure Drop (in. H2O):	2
Maximum Operating Pressure Drop (in. H2O):	8
Method of Monitoring Pressure Drop:	Magnahelic gauge
Maximum Inlet Temperature (deg F):	250
Minimum Inlet Temperature (deg F):	ambient
Dew Point of Gas Stream (deg F):	
Maximum Operating Exhaust Gas Flow Rate (acfm):	5000
Maximum Inlet Gas Stream Moisture Content (%):	



Method for Determining When Bag Replacement is Required: visual determination and magnahelic gauge

Method for Determining When Cleaning is Required: auto

Method of Bag Cleaning: pulse-jet

Is Bag Cleaning Conducted On-Line? yes

Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-permitted Sources): 3

Alternative Method to Demonstrate Control Apparatus is Operating Properly: none

Have you attached a Particle Size Distribution Analysis? no

Have you attached data from recent performance testing? no

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? no

Have you attached a diagram showing the location and/or configuration of this control apparatus? no

Comments:



### Control Device Design Efficiency Table

[illegible]



Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Number of Bags:	<input type="text"/>
Size of Bags (ft2 ):	<input type="text"/>
Total Bag Area (ft2):	<input type="text" value="39"/>
Bag Fabric:	<input type="text" value="cloth"/>
Fabric Weight (oz/ft):	<input type="text"/>
Fabric Weave:	<input type="text"/>
Fabric Finish:	<input type="text"/>
Maximum Design Temperature Capability (deg F):	<input type="text"/>
Maximum Design Air Flow Rate (acfm):	<input type="text" value="200"/>
Draft Type:	<input type="text" value="forced"/>
Maximum Air Flow Rate to Cloth Area Ratio:	<input type="text" value="5.1 to 1"/>
Minimum Operating Pressure Drop (in. H2O):	<input type="text" value="1"/>
Maximum Operating Pressure Drop (in. H2O):	<input type="text" value="10"/>
Method of Monitoring Pressure Drop:	<input type="text" value="magnahelic gauge"/>
Maximum Inlet Temperature (deg F):	<input type="text" value="150"/>
Minimum Inlet Temperature (deg F):	<input type="text" value="130"/>
Dew Point of Gas Stream (deg F):	<input type="text"/>
Maximum Operating Exhaust Gas Flow Rate (acfm):	<input type="text" value="200"/>
Maximum Inlet Gas Stream Moisture Content (%):	<input type="text"/>



Method for Determining When Bag Replacement is Required: visual inspection and magnahelic gauge

Method for Determining When Cleaning is Required: auto

Method of Bag Cleaning: pulse-jet

Is Bag Cleaning Conducted On-Line? yes

Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-permitted Sources): 1

Alternative Method to Demonstrate Control Apparatus is Operating Properly: none

Have you attached a Particle Size Distribution Analysis?

Have you attached data from recent performance testing?

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?

Have you attached a diagram showing the location and/or configuration of this control apparatus?

Comments:



### Control Device Design Efficiency Table

[illegible]



Make:	Filtrex
Manufacturer:	Filtrex
Model:	C-4-1000B
Number of Bags:	4
Size of Bags (ft2 ):	
Total Bag Area (ft2):	255
Bag Fabric:	pleated polyester
Fabric Weight (oz/ft):	16
Fabric Weave:	standard
Fabric Finish:	standard
Maximum Design Temperature Capability (deg F):	250
Maximum Design Air Flow Rate (acfm):	500
Draft Type:	
Maximum Air Flow Rate to Cloth Area Ratio:	2 to 1
Minimum Operating Pressure Drop (in. H2O):	2
Maximum Operating Pressure Drop (in. H2O):	8
Method of Monitoring Pressure Drop:	magnahelic gauge
Maximum Inlet Temperature (deg F):	ambient
Minimum Inlet Temperature (deg F):	
Dew Point of Gas Stream (deg F):	
Maximum Operating Exhaust Gas Flow Rate (acfm):	500
Maximum Inlet Gas Stream Moisture Content (%):	ambient



Method for Determining When Bag Replacement is Required: visual determination and magnahelic gauge

Method for Determining When Cleaning is Required: auto

Method of Bag Cleaning: pulse-jet

Is Bag Cleaning Conducted On-Line? yes

Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-permitted Sources): 1

Alternative Method to Demonstrate Control Apparatus is Operating Properly: none

Have you attached a Particle Size Distribution Analysis? no

Have you attached data from recent performance testing?

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?

Have you attached a diagram showing the location and/or configuration of this control apparatus?

Comments:



### Control Device Design Efficiency Table

[illegible]



Make:	Flex-Kleen
Manufacturer:	Flex-Kleen
Model:	
Number of Bags:	9
Size of Bags (ft2 ):	
Total Bag Area (ft2):	41
Bag Fabric:	polyester
Fabric Weight (oz/ft):	16
Fabric Weave:	felted
Fabric Finish:	plain
Maximum Design Temperature Capability (deg F):	225
Maximum Design Air Flow Rate (acfm):	200
Draft Type:	forced
Maximum Air Flow Rate to Cloth Area Ratio:	7.5 to 1
Minimum Operating Pressure Drop (in. H2O):	2
Maximum Operating Pressure Drop (in. H2O):	8
Method of Monitoring Pressure Drop:	magnahelic gauge
Maximum Inlet Temperature (deg F):	ambient
Minimum Inlet Temperature (deg F):	ambient
Dew Point of Gas Stream (deg F):	
Maximum Operating Exhaust Gas Flow Rate (acfm):	200
Maximum Inlet Gas Stream Moisture Content (%):	1



Method for Determining When Bag Replacement is Required: visual and magnahelic gauge

Method for Determining When Cleaning is Required: auto

Method of Bag Cleaning: pulse-jet

Is Bag Cleaning Conducted On-Line? yes

Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-permitted Sources): 1

Alternative Method to Demonstrate Control Apparatus is Operating Properly: none

Have you attached a Particle Size Distribution Analysis? no

Have you attached data from recent performance testing? no

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? no

Have you attached a diagram showing the location and/or configuration of this control apparatus? no

Comments:



### Control Device Design Efficiency Table

[illegible]



Make:	Flex-Kleen
Manufacturer:	Flex-Kleen
Model:	
Number of Bags:	9
Size of Bags (ft2 ):	
Total Bag Area (ft2):	40.6
Bag Fabric:	polyester
Fabric Weight (oz/ft):	16
Fabric Weave:	felted
Fabric Finish:	plain
Maximum Design Temperature Capability (deg F):	225
Maximum Design Air Flow Rate (acfm):	200
Draft Type:	
Maximum Air Flow Rate to Cloth Area Ratio:	7.5 to 1
Minimum Operating Pressure Drop (in. H2O):	2
Maximum Operating Pressure Drop (in. H2O):	8
Method of Monitoring Pressure Drop:	magnahelic gauge
Maximum Inlet Temperature (deg F):	ambient
Minimum Inlet Temperature (deg F):	
Dew Point of Gas Stream (deg F):	ambient
Maximum Operating Exhaust Gas Flow Rate (acfm):	200
Maximum Inlet Gas Stream Moisture Content (%):	1



Method for Determining When Bag Replacement is Required: visual determination and magnahelic gauge

Method for Determining When Cleaning is Required: auto

Method of Bag Cleaning: pulse-jet

Is Bag Cleaning Conducted On-Line? yes

Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-permitted Sources): 1

Alternative Method to Demonstrate Control Apparatus is Operating Properly: none

Have you attached a Particle Size Distribution Analysis? no

Have you attached data from recent performance testing? no

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? no

Have you attached a diagram showing the location and/or configuration of this control apparatus? no

Comments:



### Control Device Design Efficiency Table

[illegible]



Make:	Flex-Kleen
Manufacturer:	Flex-Kleen
Model:	
Number of Bags:	9
Size of Bags (ft2 ):	
Total Bag Area (ft2):	40.6
Bag Fabric:	polyester
Fabric Weight (oz/ft):	16
Fabric Weave:	felted
Fabric Finish:	plain
Maximum Design Temperature Capability (deg F):	225
Maximum Design Air Flow Rate (acfm):	200
Draft Type:	
Maximum Air Flow Rate to Cloth Area Ratio:	7.5 to 1
Minimum Operating Pressure Drop (in. H2O):	2
Maximum Operating Pressure Drop (in. H2O):	8
Method of Monitoring Pressure Drop:	magnahelic gauge
Maximum Inlet Temperature (deg F):	ambient
Minimum Inlet Temperature (deg F):	
Dew Point of Gas Stream (deg F):	ambient
Maximum Operating Exhaust Gas Flow Rate (acfm):	200
Maximum Inlet Gas Stream Moisture Content (%):	1



Method for Determining When Bag Replacement is Required: visual determination and magnahelic gauge

Method for Determining When Cleaning is Required: auto

Method of Bag Cleaning: pulse-jet

Is Bag Cleaning Conducted On-Line? yes

Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-permitted Sources): 1

Alternative Method to Demonstrate Control Apparatus is Operating Properly: none

Have you attached a Particle Size Distribution Analysis? no

Have you attached data from recent performance testing? no

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? no

Have you attached a diagram showing the location and/or configuration of this control apparatus? no

Comments:



### Control Device Design Efficiency Table

[illegible]



Make:	Flex-Kleen
Manufacturer:	FLex-Kleen
Model:	36-BVBS-9
Number of Bags:	9
Size of Bags (ft2 ):	
Total Bag Area (ft2):	40.6
Bag Fabric:	polyester
Fabric Weight (oz/ft):	16
Fabric Weave:	felted
Fabric Finish:	plain
Maximum Design Temperature Capability (deg F):	225
Maximum Design Air Flow Rate (acfm):	300
Draft Type:	
Maximum Air Flow Rate to Cloth Area Ratio:	7.5 to 1
Minimum Operating Pressure Drop (in. H2O):	2
Maximum Operating Pressure Drop (in. H2O):	8
Method of Monitoring Pressure Drop:	magnahelic gauge
Maximum Inlet Temperature (deg F):	125
Minimum Inlet Temperature (deg F):	
Dew Point of Gas Stream (deg F):	
Maximum Operating Exhaust Gas Flow Rate (acfm):	300
Maximum Inlet Gas Stream Moisture Content (%):	10



Method for Determining When Bag Replacement is Required: visual determination and magnahelic gauge

Method for Determining When Cleaning is Required: automatic

Method of Bag Cleaning: pulse-jet

Is Bag Cleaning Conducted On-Line? yes

Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-permitted Sources): 1

Alternative Method to Demonstrate Control Apparatus is Operating Properly: none

Have you attached a Particle Size Distribution Analysis? no

Have you attached data from recent performance testing? no

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? no

Have you attached a diagram showing the location and/or configuration of this control apparatus? no

Comments:



### Control Device Design Efficiency Table

[illegible]



Make:	Flex-Kleen
Manufacturer:	Flex-Kleen
Model:	36-BVBS-9
Number of Bags:	9
Size of Bags (ft2 ):	
Total Bag Area (ft2):	39
Bag Fabric:	POLYESTER
Fabric Weight (oz/ft):	16
Fabric Weave:	FELTED
Fabric Finish:	PLAIN
Maximum Design Temperature Capability (deg F):	225
Maximum Design Air Flow Rate (acfm):	200
Draft Type:	FORCED
Maximum Air Flow Rate to Cloth Area Ratio:	5.12 TO 1
Minimum Operating Pressure Drop (in. H2O):	2
Maximum Operating Pressure Drop (in. H2O):	8
Method of Monitoring Pressure Drop:	MAGNAHELIC GAUGE
Maximum Inlet Temperature (deg F):	125
Minimum Inlet Temperature (deg F):	AMBIENT
Dew Point of Gas Stream (deg F):	
Maximum Operating Exhaust Gas Flow Rate (acfm):	200
Maximum Inlet Gas Stream Moisture Content (%):	10



Method for Determining  
When Bag Replacement is  
Required: VISUAL INSPECTION AND MAGNAHELIC  
GAUGE

Method for Determining  
When Cleaning is Required: AUTO

Method of Bag Cleaning: PULSE-JET

Is Bag Cleaning Conducted  
On-Line? YES

Maximum Number of  
Sources Using this  
Apparatus as a Control  
Device (Include Permitted  
and Non-permitted Sources): 1

Alternative Method to  
Demonstrate Control  
Apparatus is Operating  
Properly: NONE

Have you attached a Particle  
Size Distribution Analysis? NO

Have you attached data from  
recent performance testing? NO

Have you attached any  
manufacturer's data or  
specifications in support of  
the feasibility and/or  
effectiveness of this control  
apparatus? NO

Have you attached a diagram  
showing the location and/or  
configuration of this control  
apparatus? NO

Comments:



### Control Device Design Efficiency Table

[illegible]



Make:	Flex Kleen
Manufacturer:	Flex Kleen
Model:	84BVBS25 II
Number of Bags:	25
Size of Bags (ft2 ):	6"x84"
Total Bag Area (ft2):	265
Bag Fabric:	polyester
Fabric Weight (oz/ft):	16
Fabric Weave:	felted
Fabric Finish:	singed
Maximum Design Temperature Capability (deg F):	275
Maximum Design Air Flow Rate (acfm):	350
Draft Type:	
Maximum Air Flow Rate to Cloth Area Ratio:	1.32 to 1
Minimum Operating Pressure Drop (in. H2O):	2
Maximum Operating Pressure Drop (in. H2O):	8
Method of Monitoring Pressure Drop:	magnehelic gauge
Maximum Inlet Temperature (deg F):	ambient
Minimum Inlet Temperature (deg F):	ambient
Dew Point of Gas Stream (deg F):	
Maximum Operating Exhaust Gas Flow Rate (acfm):	350
Maximum Inlet Gas Stream Moisture Content (%):	



Method for Determining  
When Bag Replacement is  
Required:

visual and magnehelic gauge

Method for Determining  
When Cleaning is Required:

visual and magnehelic gauge

Method of Bag Cleaning:

pulse jet

Is Bag Cleaning Conducted  
On-Line?

yes

Maximum Number of  
Sources Using this  
Apparatus as a Control  
Device (Include Permitted  
and Non-permitted Sources):

1

Alternative Method to  
Demonstrate Control  
Apparatus is Operating  
Properly:

Have you attached a Particle  
Size Distribution Analysis?

no

Have you attached data from  
recent performance testing?

no

Have you attached any  
manufacturer's data or  
specifications in support of  
the feasibility and/or  
effectiveness of this control  
apparatus?

no

Have you attached a diagram  
showing the location and/or  
configuration of this control  
apparatus?

no

Comments:



### Control Device Design Efficiency Table

[illegible]



Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Number of Bags:	<input type="text" value="169"/>
Size of Bags (ft2 ):	<input type="text"/>
Total Bag Area (ft2):	<input type="text" value="2146"/>
Bag Fabric:	<input type="text" value="polyester"/>
Fabric Weight (oz/ft):	<input type="text" value="16"/>
Fabric Weave:	<input type="text" value="felted"/>
Fabric Finish:	<input type="text" value="singed"/>
Maximum Design Temperature Capability (deg F):	<input type="text" value="200"/>
Maximum Design Air Flow Rate (acfm):	<input type="text" value="10000"/>
Draft Type:	<input type="text"/>
Maximum Air Flow Rate to Cloth Area Ratio:	<input type="text" value="4.66 to 1"/>
Minimum Operating Pressure Drop (in. H2O):	<input type="text" value="2"/>
Maximum Operating Pressure Drop (in. H2O):	<input type="text" value="8"/>
Method of Monitoring Pressure Drop:	<input type="text"/>
Maximum Inlet Temperature (deg F):	<input type="text" value="170"/>
Minimum Inlet Temperature (deg F):	<input type="text"/>
Dew Point of Gas Stream (deg F):	<input type="text"/>
Maximum Operating Exhaust Gas Flow Rate (acfm):	<input type="text" value="10000"/>
Maximum Inlet Gas Stream Moisture Content (%):	<input type="text" value="5"/>



Method for Determining  
When Bag Replacement is  
Required:

Method for Determining  
When Cleaning is Required:

Method of Bag Cleaning:

Is Bag Cleaning Conducted  
On-Line?

Maximum Number of  
Sources Using this  
Apparatus as a Control  
Device (Include Permitted  
and Non-permitted Sources):

Alternative Method to  
Demonstrate Control  
Apparatus is Operating  
Properly:

Have you attached a Particle  
Size Distribution Analysis?

Have you attached data from  
recent performance testing?

Have you attached any  
manufacturer's data or  
specifications in support of  
the feasibility and/or  
effectiveness of this control  
apparatus?

Have you attached a diagram  
showing the location and/or  
configuration of this control  
apparatus?

Comments:



### Control Device Design Efficiency Table

[illegible]



Make:	
Manufacturer:	Flex-Kleen
Model:	100-WSWG-169 X L (III)
Number of Bags:	169
Size of Bags (ft2 ):	100" LENGTH
Total Bag Area (ft2):	2146
Bag Fabric:	POLYESTER
Fabric Weight (oz/ft):	16
Fabric Weave:	FELTED
Fabric Finish:	SINGED
Maximum Design Temperature Capability (deg F):	200
Maximum Design Air Flow Rate (acfm):	10000
Draft Type:	
Maximum Air Flow Rate to Cloth Area Ratio:	4.66 TO 1
Minimum Operating Pressure Drop (in. H2O):	2
Maximum Operating Pressure Drop (in. H2O):	8
Method of Monitoring Pressure Drop:	MAGNAHELIC GAUGE
Maximum Inlet Temperature (deg F):	200
Minimum Inlet Temperature (deg F):	170
Dew Point of Gas Stream (deg F):	
Maximum Operating Exhaust Gas Flow Rate (acfm):	10000
Maximum Inlet Gas Stream Moisture Content (%):	5



Method for Determining  
When Bag Replacement is  
Required:

Method for Determining  
When Cleaning is Required:

AUTOMATIC

Method of Bag Cleaning:

PULSE JET

Is Bag Cleaning Conducted  
On-Line?

YES

Maximum Number of  
Sources Using this  
Apparatus as a Control  
Device (Include Permitted  
and Non-permitted Sources):

1

Alternative Method to  
Demonstrate Control  
Apparatus is Operating  
Properly:

Have you attached a Particle  
Size Distribution Analysis?

NO

Have you attached data from  
recent performance testing?

NO

Have you attached any  
manufacturer's data or  
specifications in support of  
the feasibility and/or  
effectiveness of this control  
apparatus?

Have you attached a diagram  
showing the location and/or  
configuration of this control  
apparatus?

Comments:



### Control Device Design Efficiency Table

[illegible]



Make:	Flex Kleen
Manufacturer:	
Model:	84 BVBS-25
Number of Bags:	25
Size of Bags (ft2 ):	
Total Bag Area (ft2):	265
Bag Fabric:	polyester
Fabric Weight (oz/ft):	16
Fabric Weave:	felted
Fabric Finish:	plain
Maximum Design Temperature Capability (deg F):	225
Maximum Design Air Flow Rate (acfm):	750
Draft Type:	forced
Maximum Air Flow Rate to Cloth Area Ratio:	2.8 to 1
Minimum Operating Pressure Drop (in. H2O):	1
Maximum Operating Pressure Drop (in. H2O):	8
Method of Monitoring Pressure Drop:	
Maximum Inlet Temperature (deg F):	200
Minimum Inlet Temperature (deg F):	ambient
Dew Point of Gas Stream (deg F):	
Maximum Operating Exhaust Gas Flow Rate (acfm):	750
Maximum Inlet Gas Stream Moisture Content (%):	1



Method for Determining  
When Bag Replacement is  
Required:

visual inspection and gauge

Method for Determining  
When Cleaning is Required:

automatic

Method of Bag Cleaning:

pulse jet

Is Bag Cleaning Conducted  
On-Line?

yes

Maximum Number of  
Sources Using this  
Apparatus as a Control  
Device (Include Permitted  
and Non-permitted Sources):

1

Alternative Method to  
Demonstrate Control  
Apparatus is Operating  
Properly:

Have you attached a Particle  
Size Distribution Analysis?

Have you attached data from  
recent performance testing?

Have you attached any  
manufacturer's data or  
specifications in support of  
the feasibility and/or  
effectiveness of this control  
apparatus?

Have you attached a diagram  
showing the location and/or  
configuration of this control  
apparatus?

Comments:



### Control Device Design Efficiency Table

[illegible]



Make:	Flex-Kleen
Manufacturer:	Flex-Kleen
Model:	36-BVBS-9
Number of Bags:	9
Size of Bags (ft2 ):	
Total Bag Area (ft2):	39
Bag Fabric:	POLYESTER
Fabric Weight (oz/ft):	16
Fabric Weave:	FELTED
Fabric Finish:	PLAIN
Maximum Design Temperature Capability (deg F):	225
Maximum Design Air Flow Rate (acfm):	200
Draft Type:	FORCED
Maximum Air Flow Rate to Cloth Area Ratio:	5.12 TO 1
Minimum Operating Pressure Drop (in. H2O):	2
Maximum Operating Pressure Drop (in. H2O):	8
Method of Monitoring Pressure Drop:	MAGNAHELIC GAUGE
Maximum Inlet Temperature (deg F):	125
Minimum Inlet Temperature (deg F):	AMBIENT
Dew Point of Gas Stream (deg F):	
Maximum Operating Exhaust Gas Flow Rate (acfm):	200
Maximum Inlet Gas Stream Moisture Content (%):	10



Method for Determining  
When Bag Replacement is  
Required: VISUAL INSPECTION AND MAGNAHELIC  
GAUGE

Method for Determining  
When Cleaning is Required: AUTO

Method of Bag Cleaning: PULSE-JET

Is Bag Cleaning Conducted  
On-Line? YES

Maximum Number of  
Sources Using this  
Apparatus as a Control  
Device (Include Permitted  
and Non-permitted Sources): 1

Alternative Method to  
Demonstrate Control  
Apparatus is Operating  
Properly: NONE

Have you attached a Particle  
Size Distribution Analysis? NO

Have you attached data from  
recent performance testing? NO

Have you attached any  
manufacturer's data or  
specifications in support of  
the feasibility and/or  
effectiveness of this control  
apparatus? NO

Have you attached a diagram  
showing the location and/or  
configuration of this control  
apparatus? NO

Comments:



### Control Device Design Efficiency Table

[illegible]



Make:	Flex-Kleen
Manufacturer:	Flex-Kleen
Model:	36-BVBS-9
Number of Bags:	9
Size of Bags (ft2 ):	
Total Bag Area (ft2):	39
Bag Fabric:	POLYESTER
Fabric Weight (oz/ft):	16
Fabric Weave:	FELTED
Fabric Finish:	PLAIN
Maximum Design Temperature Capability (deg F):	225
Maximum Design Air Flow Rate (acfm):	200
Draft Type:	FORCED
Maximum Air Flow Rate to Cloth Area Ratio:	5.12 TO 1
Minimum Operating Pressure Drop (in. H2O):	2
Maximum Operating Pressure Drop (in. H2O):	8
Method of Monitoring Pressure Drop:	MAGNAHELIC GAUGE
Maximum Inlet Temperature (deg F):	125
Minimum Inlet Temperature (deg F):	AMBIENT
Dew Point of Gas Stream (deg F):	
Maximum Operating Exhaust Gas Flow Rate (acfm):	200
Maximum Inlet Gas Stream Moisture Content (%):	10



Method for Determining  
When Bag Replacement is  
Required: VISUAL INSPECTION AND MAGNAHELIC  
GAUGE

Method for Determining  
When Cleaning is Required: AUTO

Method of Bag Cleaning: PULSE-JET

Is Bag Cleaning Conducted  
On-Line? YES

Maximum Number of  
Sources Using this  
Apparatus as a Control  
Device (Include Permitted  
and Non-permitted Sources): 1

Alternative Method to  
Demonstrate Control  
Apparatus is Operating  
Properly: NONE

Have you attached a Particle  
Size Distribution Analysis? NO

Have you attached data from  
recent performance testing? NO

Have you attached any  
manufacturer's data or  
specifications in support of  
the feasibility and/or  
effectiveness of this control  
apparatus? NO

Have you attached a diagram  
showing the location and/or  
configuration of this control  
apparatus? NO

Comments:



### Control Device Design Efficiency Table

[illegible]



Make:	Flex-Kleen
Manufacturer:	Flex-Kleen
Model:	36-BVBS-9
Number of Bags:	9
Size of Bags (ft2 ):	
Total Bag Area (ft2):	39
Bag Fabric:	POLYESTER
Fabric Weight (oz/ft):	16
Fabric Weave:	FELTED
Fabric Finish:	PLAIN
Maximum Design Temperature Capability (deg F):	225
Maximum Design Air Flow Rate (acfm):	200
Draft Type:	FORCED
Maximum Air Flow Rate to Cloth Area Ratio:	5.12 TO 1
Minimum Operating Pressure Drop (in. H2O):	2
Maximum Operating Pressure Drop (in. H2O):	8
Method of Monitoring Pressure Drop:	MAGNAHELIC GAUGE
Maximum Inlet Temperature (deg F):	125
Minimum Inlet Temperature (deg F):	AMBIENT
Dew Point of Gas Stream (deg F):	
Maximum Operating Exhaust Gas Flow Rate (acfm):	200
Maximum Inlet Gas Stream Moisture Content (%):	10



Method for Determining  
When Bag Replacement is  
Required: VISUAL INSPECTION AND MAGNAHELIC  
GAUGE

Method for Determining  
When Cleaning is Required: AUTO

Method of Bag Cleaning: PULSE-JET

Is Bag Cleaning Conducted  
On-Line? YES

Maximum Number of  
Sources Using this  
Apparatus as a Control  
Device (Include Permitted  
and Non-permitted Sources): 1

Alternative Method to  
Demonstrate Control  
Apparatus is Operating  
Properly: NONE

Have you attached a Particle  
Size Distribution Analysis? NO

Have you attached data from  
recent performance testing? NO

Have you attached any  
manufacturer's data or  
specifications in support of  
the feasibility and/or  
effectiveness of this control  
apparatus? NO

Have you attached a diagram  
showing the location and/or  
configuration of this control  
apparatus? NO

Comments:



### Control Device Design Efficiency Table

[illegible]



Make:	Flex-Kleen
Manufacturer:	Flex-Kleen
Model:	36-BVBS-9
Number of Bags:	9
Size of Bags (ft2 ):	
Total Bag Area (ft2):	39
Bag Fabric:	polyester
Fabric Weight (oz/ft):	16
Fabric Weave:	felted
Fabric Finish:	plain
Maximum Design Temperature Capability (deg F):	225
Maximum Design Air Flow Rate (acfm):	200
Draft Type:	
Maximum Air Flow Rate to Cloth Area Ratio:	5.12 to 1
Minimum Operating Pressure Drop (in. H2O):	2
Maximum Operating Pressure Drop (in. H2O):	8
Method of Monitoring Pressure Drop:	magnahelic gauge
Maximum Inlet Temperature (deg F):	125
Minimum Inlet Temperature (deg F):	
Dew Point of Gas Stream (deg F):	
Maximum Operating Exhaust Gas Flow Rate (acfm):	200
Maximum Inlet Gas Stream Moisture Content (%):	10



Method for Determining When Bag Replacement is Required: visual determination and magnahelic gauge

Method for Determining When Cleaning is Required: auto

Method of Bag Cleaning: pulse-jet

Is Bag Cleaning Conducted On-Line? yes

Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-permitted Sources): 2

Alternative Method to Demonstrate Control Apparatus is Operating Properly: none

Have you attached a Particle Size Distribution Analysis? no

Have you attached data from recent performance testing? no

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? no

Have you attached a diagram showing the location and/or configuration of this control apparatus? no

Comments:



### Control Device Design Efficiency Table

[illegible]



Make:	Micropul
Manufacturer:	
Model:	144S10
Number of Bags:	144
Size of Bags (ft2 ):	
Total Bag Area (ft2):	2092
Bag Fabric:	polyester
Fabric Weight (oz/ft):	16
Fabric Weave:	felted
Fabric Finish:	singed
Maximum Design Temperature Capability (deg F):	225
Maximum Design Air Flow Rate (acfm):	8000
Draft Type:	forced
Maximum Air Flow Rate to Cloth Area Ratio:	4.7 to 1
Minimum Operating Pressure Drop (in. H2O):	2
Maximum Operating Pressure Drop (in. H2O):	8
Method of Monitoring Pressure Drop:	magnahelic gauge
Maximum Inlet Temperature (deg F):	175
Minimum Inlet Temperature (deg F):	ambient
Dew Point of Gas Stream (deg F):	
Maximum Operating Exhaust Gas Flow Rate (acfm):	8000
Maximum Inlet Gas Stream Moisture Content (%):	10



Method for Determining  
When Bag Replacement is  
Required:

visual and magnahelic gauge

Method for Determining  
When Cleaning is Required:

auto

Method of Bag Cleaning:

pulse-jet

Is Bag Cleaning Conducted  
On-Line?

yes

Maximum Number of  
Sources Using this  
Apparatus as a Control  
Device (Include Permitted  
and Non-permitted Sources):

8

Alternative Method to  
Demonstrate Control  
Apparatus is Operating  
Properly:

none

Have you attached a Particle  
Size Distribution Analysis?

no

Have you attached data from  
recent performance testing?

no

Have you attached any  
manufacturer's data or  
specifications in support of  
the feasibility and/or  
effectiveness of this control  
apparatus?

no

Have you attached a diagram  
showing the location and/or  
configuration of this control  
apparatus?

no

Comments:



### Control Device Design Efficiency Table

[illegible]



Make:	Flex-Kleen
Manufacturer:	Flex-Kleen
Model:	84BVBS-25
Number of Bags:	25
Size of Bags (ft2 ):	
Total Bag Area (ft2):	265
Bag Fabric:	polyester
Fabric Weight (oz/ft):	16
Fabric Weave:	felted
Fabric Finish:	plain
Maximum Design Temperature Capability (deg F):	
Maximum Design Air Flow Rate (acfm):	750
Draft Type:	forced
Maximum Air Flow Rate to Cloth Area Ratio:	2.8 to 1
Minimum Operating Pressure Drop (in. H2O):	1
Maximum Operating Pressure Drop (in. H2O):	8
Method of Monitoring Pressure Drop:	magnahelic gauge
Maximum Inlet Temperature (deg F):	ambient
Minimum Inlet Temperature (deg F):	ambient
Dew Point of Gas Stream (deg F):	
Maximum Operating Exhaust Gas Flow Rate (acfm):	750
Maximum Inlet Gas Stream Moisture Content (%):	< 1



Method for Determining When Bag Replacement is Required: visual determination and magnahelic gauge

Method for Determining When Cleaning is Required: magnahelic gauge

Method of Bag Cleaning: pulse-jet

Is Bag Cleaning Conducted On-Line? yes

Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-permitted Sources): 1

Alternative Method to Demonstrate Control Apparatus is Operating Properly: none

Have you attached a Particle Size Distribution Analysis? no

Have you attached data from recent performance testing?

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? no

Have you attached a diagram showing the location and/or configuration of this control apparatus? no

Comments:



### Control Device Design Efficiency Table

[illegible]



Make:	Bayshore
Manufacturer:	Bayshore
Model:	10-1200-100-100TRW
Number of Bags:	100
Size of Bags (ft2 ):	
Total Bag Area (ft2):	1200
Bag Fabric:	polyester
Fabric Weight (oz/ft):	16
Fabric Weave:	felted
Fabric Finish:	singed
Maximum Design Temperature Capability (deg F):	
Maximum Design Air Flow Rate (acfm):	5000
Draft Type:	forced
Maximum Air Flow Rate to Cloth Area Ratio:	5:12:01
Minimum Operating Pressure Drop (in. H2O):	2
Maximum Operating Pressure Drop (in. H2O):	8
Method of Monitoring Pressure Drop:	magnahelic gauge
Maximum Inlet Temperature (deg F):	ambient
Minimum Inlet Temperature (deg F):	ambient
Dew Point of Gas Stream (deg F):	
Maximum Operating Exhaust Gas Flow Rate (acfm):	5000
Maximum Inlet Gas Stream Moisture Content (%):	< 1



Method for Determining When Bag Replacement is Required: visual determination and magnahelic gauge

Method for Determining When Cleaning is Required: automatic

Method of Bag Cleaning: pulse-jet

Is Bag Cleaning Conducted On-Line? yes

Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-permitted Sources): 5

Alternative Method to Demonstrate Control Apparatus is Operating Properly: none

Have you attached a Particle Size Distribution Analysis? no

Have you attached data from recent performance testing? no

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?

Have you attached a diagram showing the location and/or configuration of this control apparatus?

Comments:



### Control Device Design Efficiency Table

[illegible]



Make:	Flex-Kleen
Manufacturer:	Flex-Kleen
Model:	36-BVBS-9
Number of Bags:	9
Size of Bags (ft2 ):	
Total Bag Area (ft2):	39
Bag Fabric:	POLYESTER
Fabric Weight (oz/ft):	16
Fabric Weave:	FELTED
Fabric Finish:	PLAIN
Maximum Design Temperature Capability (deg F):	225
Maximum Design Air Flow Rate (acfm):	200
Draft Type:	FORCED
Maximum Air Flow Rate to Cloth Area Ratio:	5.12 TO 1
Minimum Operating Pressure Drop (in. H2O):	2
Maximum Operating Pressure Drop (in. H2O):	8
Method of Monitoring Pressure Drop:	MAGNAHELIC GAUGE
Maximum Inlet Temperature (deg F):	125
Minimum Inlet Temperature (deg F):	AMBIENT
Dew Point of Gas Stream (deg F):	
Maximum Operating Exhaust Gas Flow Rate (acfm):	200
Maximum Inlet Gas Stream Moisture Content (%):	10



Method for Determining  
When Bag Replacement is  
Required: VISUAL INSPECTION AND MAGNAHELIC  
GAUGE

Method for Determining  
When Cleaning is Required: AUTO

Method of Bag Cleaning: PULSE-JET

Is Bag Cleaning Conducted  
On-Line? YES

Maximum Number of  
Sources Using this  
Apparatus as a Control  
Device (Include Permitted  
and Non-permitted Sources): 1

Alternative Method to  
Demonstrate Control  
Apparatus is Operating  
Properly: NONE

Have you attached a Particle  
Size Distribution Analysis? NO

Have you attached data from  
recent performance testing? NO

Have you attached any  
manufacturer's data or  
specifications in support of  
the feasibility and/or  
effectiveness of this control  
apparatus? NO

Have you attached a diagram  
showing the location and/or  
configuration of this control  
apparatus? NO

Comments:



### Control Device Design Efficiency Table

[illegible]



Make:	FLEX-KLEEN
Manufacturer:	FLEX-KLEEN
Model:	58-BVBS-16
Number of Bags:	16
Size of Bags (ft2 ):	30
Total Bag Area (ft2):	480
Bag Fabric:	SPUN POLYESTER BELT
Fabric Weight (oz/ft):	16
Fabric Weave:	FELTED
Fabric Finish:	PLAIN
Maximum Design Temperature Capability (deg F):	NA
Maximum Design Air Flow Rate (acfm):	1200
Draft Type:	FORCED
Maximum Air Flow Rate to Cloth Area Ratio:	2.5 TO 1
Minimum Operating Pressure Drop (in. H2O):	0.5
Maximum Operating Pressure Drop (in. H2O):	15
Method of Monitoring Pressure Drop:	MAGNAHELIC GAUGE
Maximum Inlet Temperature (deg F):	AMBIENT
Minimum Inlet Temperature (deg F):	AMBIENT
Dew Point of Gas Stream (deg F):	NA
Maximum Operating Exhaust Gas Flow Rate (acfm):	1200
Maximum Inlet Gas Stream Moisture Content (%):	NA



Method for Determining  
When Bag Replacement is  
Required: MAGNAHELIC GAUGE

Method for Determining  
When Cleaning is Required: AUTO

Method of Bag Cleaning: PULSE-JET

Is Bag Cleaning Conducted  
On-Line? YES

Maximum Number of  
Sources Using this  
Apparatus as a Control  
Device (Include Permitted  
and Non-permitted Sources): 3

Alternative Method to  
Demonstrate Control  
Apparatus is Operating  
Properly: NA

Have you attached a Particle  
Size Distribution Analysis? NO

Have you attached data from  
recent performance testing? NO

Have you attached any  
manufacturer's data or  
specifications in support of  
the feasibility and/or  
effectiveness of this control  
apparatus? NO

Have you attached a diagram  
showing the location and/or  
configuration of this control  
apparatus? NO

Comments:



### Control Device Design Efficiency Table

[illegible]



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 CD29 (Particulate Filter (Baghouse))  
Print Date: 9/8/2020

Make:	100337
Manufacturer:	Flex Kleen
Model:	36 BVBS 9 II G
Number of Bags:	9
Size of Bags (ft²):	
Total Bag Area (ft²):	39.0
Bag Fabric:	Polyester
Fabric Weight (oz/ft²):	
Fabric Weave:	Felted
Fabric Finish:	Plain
Maximum Design Temperature Capability (°F):	
Maximum Design Air Flow Rate (acfm):	200.0
Draft Type:	Forced
Maximum Air Flow Rate to Cloth Area Ratio:	5.13
Minimum Operating Pressure Drop (in. H2O):	1.00
Maximum Operating Pressure Drop (in. H2O):	8.00
Method of Monitoring Pressure Drop:	Magnehelic Gauge
Maximum Inlet Temperature (°F):	70.0
Minimum Inlet Temperature (°F):	70.0
Dew Point of Gas Stream Maximum Inlet Temperature (°F):	
Maximum Operating Exhaust Gas Flow Rate (acfm):	
Maximum Inlet Gas Stream Moisture Content (%):	
Method for Determining When Bag Replacement is Required:	Visual and Differential Pressure from Magnehelic Gauge
Method for Determining When Cleaning is Required:	Auto
Method of Bag Cleaning:	Pulse Jet
Description:	
Is Bag Cleaning Conducted On-Line?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	1
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	none
Have you attached a Particle Size Distribution Analysis?	<input type="radio"/> Yes <input checked="" type="radio"/> No



**51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 CD29 (Particulate Filter (Baghouse))**  
**Print Date: 9/8/2020**

Have you attached data from recent performance testing?

☐ Yes ☒ No

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?

☐ Yes ☒ No

Have you attached a diagram showing the location and/or configuration of this control apparatus?

☐ Yes ☒ No

Comments:



Make:	Flex-Kleen
Manufacturer:	Flex-Kleen
Model:	36-BVBS-9
Number of Bags:	9
Size of Bags (ft2 ):	
Total Bag Area (ft2):	39
Bag Fabric:	polyester
Fabric Weight (oz/ft):	16
Fabric Weave:	felted
Fabric Finish:	plain
Maximum Design Temperature Capability (deg F):	
Maximum Design Air Flow Rate (acfm):	200
Draft Type:	
Maximum Air Flow Rate to Cloth Area Ratio:	5.12 to 1
Minimum Operating Pressure Drop (in. H2O):	1
Maximum Operating Pressure Drop (in. H2O):	8
Method of Monitoring Pressure Drop:	magnahelic gauge
Maximum Inlet Temperature (deg F):	125
Minimum Inlet Temperature (deg F):	
Dew Point of Gas Stream (deg F):	
Maximum Operating Exhaust Gas Flow Rate (acfm):	200
Maximum Inlet Gas Stream Moisture Content (%):	< 1



Method for Determining When Bag Replacement is Required: visual determination and magnahelic gauge

Method for Determining When Cleaning is Required: auto

Method of Bag Cleaning: pulse-jet

Is Bag Cleaning Conducted On-Line? yes

Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-permitted Sources): 1

Alternative Method to Demonstrate Control Apparatus is Operating Properly: none

Have you attached a Particle Size Distribution Analysis? no

Have you attached data from recent performance testing? no

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? no

Have you attached a diagram showing the location and/or configuration of this control apparatus?

Comments:



### Control Device Design Efficiency Table

[illegible]



Make:	Flex-Kleen
Manufacturer:	Flex-Kleen
Model:	36-BVBS-9
Number of Bags:	9
Size of Bags (ft2 ):	
Total Bag Area (ft2):	39
Bag Fabric:	polyester
Fabric Weight (oz/ft):	16
Fabric Weave:	felted
Fabric Finish:	plain
Maximum Design Temperature Capability (deg F):	225
Maximum Design Air Flow Rate (acfm):	200
Draft Type:	
Maximum Air Flow Rate to Cloth Area Ratio:	5.12 to 1
Minimum Operating Pressure Drop (in. H2O):	1
Maximum Operating Pressure Drop (in. H2O):	8
Method of Monitoring Pressure Drop:	magnahelic gauge
Maximum Inlet Temperature (deg F):	125
Minimum Inlet Temperature (deg F):	
Dew Point of Gas Stream (deg F):	
Maximum Operating Exhaust Gas Flow Rate (acfm):	200
Maximum Inlet Gas Stream Moisture Content (%):	< 1



Method for Determining When Bag Replacement is Required: visual determination and magnahelic gauge

Method for Determining When Cleaning is Required: auto

Method of Bag Cleaning: pulse-jet

Is Bag Cleaning Conducted On-Line? yes

Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-permitted Sources): 1

Alternative Method to Demonstrate Control Apparatus is Operating Properly: none

Have you attached a Particle Size Distribution Analysis? no

Have you attached data from recent performance testing? no

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? no

Have you attached a diagram showing the location and/or configuration of this control apparatus? no

Comments:



### Control Device Design Efficiency Table

[illegible]



Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Number of Bags:	<input type="text"/>
Size of Bags (ft2 ):	<input type="text"/>
Total Bag Area (ft2):	<input type="text" value="69"/>
Bag Fabric:	<input type="text" value="cloth"/>
Fabric Weight (oz/ft):	<input type="text"/>
Fabric Weave:	<input type="text"/>
Fabric Finish:	<input type="text"/>
Maximum Design Temperature Capability (deg F):	<input type="text"/>
Maximum Design Air Flow Rate (acfm):	<input type="text" value="450"/>
Draft Type:	<input type="text" value="forced"/>
Maximum Air Flow Rate to Cloth Area Ratio:	<input type="text" value="6.5 to 1"/>
Minimum Operating Pressure Drop (in. H2O):	<input type="text" value="1"/>
Maximum Operating Pressure Drop (in. H2O):	<input type="text" value="10"/>
Method of Monitoring Pressure Drop:	<input type="text" value="gauge"/>
Maximum Inlet Temperature (deg F):	<input type="text" value="150"/>
Minimum Inlet Temperature (deg F):	<input type="text" value="130"/>
Dew Point of Gas Stream (deg F):	<input type="text"/>
Maximum Operating Exhaust Gas Flow Rate (acfm):	<input type="text" value="450"/>
Maximum Inlet Gas Stream Moisture Content (%):	<input type="text"/>



Method for Determining  
When Bag Replacement is  
Required:

visual inspection and gauge reading

Method for Determining  
When Cleaning is Required:

auto

Method of Bag Cleaning:

pulse jet

Is Bag Cleaning Conducted  
On-Line?

yes

Maximum Number of  
Sources Using this  
Apparatus as a Control  
Device (Include Permitted  
and Non-permitted Sources):

2

Alternative Method to  
Demonstrate Control  
Apparatus is Operating  
Properly:

Have you attached a Particle  
Size Distribution Analysis?

Have you attached data from  
recent performance testing?

Have you attached any  
manufacturer's data or  
specifications in support of  
the feasibility and/or  
effectiveness of this control  
apparatus?

Have you attached a diagram  
showing the location and/or  
configuration of this control  
apparatus?

Comments:



### Control Device Design Efficiency Table

[illegible]



Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Number of Bags:	<input type="text"/>
Size of Bags (ft2 ):	<input type="text"/>
Total Bag Area (ft2):	<input type="text" value="39"/>
Bag Fabric:	<input type="text" value="cloth"/>
Fabric Weight (oz/ft):	<input type="text"/>
Fabric Weave:	<input type="text"/>
Fabric Finish:	<input type="text"/>
Maximum Design Temperature Capability (deg F):	<input type="text"/>
Maximum Design Air Flow Rate (acfm):	<input type="text" value="200"/>
Draft Type:	<input type="text" value="forced"/>
Maximum Air Flow Rate to Cloth Area Ratio:	<input type="text" value="5.1 to 1"/>
Minimum Operating Pressure Drop (in. H2O):	<input type="text" value="1"/>
Maximum Operating Pressure Drop (in. H2O):	<input type="text" value="10"/>
Method of Monitoring Pressure Drop:	<input type="text" value="gauge"/>
Maximum Inlet Temperature (deg F):	<input type="text" value="150"/>
Minimum Inlet Temperature (deg F):	<input type="text" value="130"/>
Dew Point of Gas Stream (deg F):	<input type="text"/>
Maximum Operating Exhaust Gas Flow Rate (acfm):	<input type="text" value="200"/>
Maximum Inlet Gas Stream Moisture Content (%):	<input type="text"/>



Method for Determining When Bag Replacement is Required: visual inspection and gauge reading

Method for Determining When Cleaning is Required: auto

Method of Bag Cleaning: pulse jet

Is Bag Cleaning Conducted On-Line? yes

Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-permitted Sources): 1

Alternative Method to Demonstrate Control Apparatus is Operating Properly:

Have you attached a Particle Size Distribution Analysis?

Have you attached data from recent performance testing?

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?

Have you attached a diagram showing the location and/or configuration of this control apparatus?

Comments:



### Control Device Design Efficiency Table

[illegible]



Make:	<input type="text"/>
Manufacturer:	<input type="text"/>
Model:	<input type="text"/>
Number of Bags:	<input type="text" value="2"/>
Size of Bags (ft2 ):	<input type="text" value="11"/>
Total Bag Area (ft2):	<input type="text" value="22"/>
Bag Fabric:	<input type="text" value="polyester"/>
Fabric Weight (oz/ft):	<input type="text"/>
Fabric Weave:	<input type="text" value="spun"/>
Fabric Finish:	<input type="text"/>
Maximum Design Temperature Capability (deg F):	<input type="text"/>
Maximum Design Air Flow Rate (acfm):	<input type="text" value="1000"/>
Draft Type:	<input type="text" value="forced"/>
Maximum Air Flow Rate to Cloth Area Ratio:	<input type="text" value="45 to 1"/>
Minimum Operating Pressure Drop (in. H2O):	<input type="text" value="1"/>
Maximum Operating Pressure Drop (in. H2O):	<input type="text" value="14"/>
Method of Monitoring Pressure Drop:	<input type="text" value="gauge"/>
Maximum Inlet Temperature (deg F):	<input type="text" value="150"/>
Minimum Inlet Temperature (deg F):	<input type="text" value="130"/>
Dew Point of Gas Stream (deg F):	<input type="text"/>
Maximum Operating Exhaust Gas Flow Rate (acfm):	<input type="text" value="1000"/>
Maximum Inlet Gas Stream Moisture Content (%):	<input type="text"/>



Method for Determining  
When Bag Replacement is  
Required: visual inspection and gauge reading

Method for Determining  
When Cleaning is Required: auto

Method of Bag Cleaning: pulse jet

Is Bag Cleaning Conducted  
On-Line? yes

Maximum Number of  
Sources Using this  
Apparatus as a Control  
Device (Include Permitted  
and Non-permitted Sources): 1

Alternative Method to  
Demonstrate Control  
Apparatus is Operating  
Properly:

Have you attached a Particle  
Size Distribution Analysis?

Have you attached data from  
recent performance testing?

Have you attached any  
manufacturer's data or  
specifications in support of  
the feasibility and/or  
effectiveness of this control  
apparatus?

Have you attached a diagram  
showing the location and/or  
configuration of this control  
apparatus?

Comments: 2 - 12"x36" bags



### Control Device Design Efficiency Table

[illegible]



Make:	Flex-Kleen
Manufacturer:	Flex-Kleen
Model:	120-WXPC-144 Arr. III
Number of Bags:	135
Size of Bags (ft2):	16.3
Total Bag Area (ft2):	2204
Bag Fabric:	polypropylene
Fabric Weight (oz/ft):	14
Fabric Weave:	felted
Fabric Finish:	singed
Maximum Design Temperature Capability (deg F):	170
Maximum Design Air Flow Rate (acfm):	10000
Draft Type:	forced
Maximum Air Flow Rate to Cloth Area Ratio:	4.6 to 1
Minimum Operating Pressure Drop (in. H2O):	0.5
Maximum Operating Pressure Drop (in. H2O):	15
Method of Monitoring Pressure Drop:	Magnahelix Gauge
Maximum Inlet Temperature (deg F):	Indoor ambient (120F)
Minimum Inlet Temperature (deg F):	Indoor ambient (35F)
Dew Point of Gas Stream (deg F):	ambient
Maximum Operating Exhaust Gas Flow Rate (acfm):	10000
Maximum Inlet Gas Stream Moisture Content (%):	ambient



Method for Determining  
When Bag Replacement is  
Required:

Magnahelic Gauge

Method for Determining  
When Cleaning is Required:

auto

Method of Bag Cleaning:

pulse jet

Is Bag Cleaning Conducted  
On-Line?

yes

Maximum Number of  
Sources Using this  
Apparatus as a Control  
Device (Include Permitted  
and Non-permitted Sources):

1

Alternative Method to  
Demonstrate Control  
Apparatus is Operating  
Properly:

routine preventive maintainance

Have you attached a Particle  
Size Distribution Analysis?

no

Have you attached data from  
recent performance testing?

no

Have you attached any  
manufacturer's data or  
specifications in support of  
the feasibility and/or  
effectiveness of this control  
apparatus?

Have you attached a diagram  
showing the location and/or  
configuration of this control  
apparatus?

Comments:



### Control Device Design Efficiency Table

[illegible]



Make:	Flex-Kleen
Manufacturer:	Flex-Kleen
Model:	120-WXWC-435 arr III
Number of Bags:	435
Size of Bags (ft2 ):	16.3
Total Bag Area (ft2):	7090.5
Bag Fabric:	polypropylene
Fabric Weight (oz/ft):	16
Fabric Weave:	felt
Fabric Finish:	singed
Maximum Design Temperature Capability (deg F):	170
Maximum Design Air Flow Rate (acfm):	30000
Draft Type:	forced - negative air
Maximum Air Flow Rate to Cloth Area Ratio:	4.2:1
Minimum Operating Pressure Drop (in. H2O):	0.5
Maximum Operating Pressure Drop (in. H2O):	15
Method of Monitoring Pressure Drop:	magnahelic gauge
Maximum Inlet Temperature (deg F):	indoor ambient
Minimum Inlet Temperature (deg F):	indoor ambient
Dew Point of Gas Stream (deg F):	ambient
Maximum Operating Exhaust Gas Flow Rate (acfm):	30000
Maximum Inlet Gas Stream Moisture Content (%):	ambient



Method for Determining  
When Bag Replacement is  
Required:

Magnahelic gauge

Method for Determining  
When Cleaning is Required:

continuous cleaning

Method of Bag Cleaning:

pulse jet

Is Bag Cleaning Conducted  
On-Line?

yes

Maximum Number of  
Sources Using this  
Apparatus as a Control  
Device (Include Permitted  
and Non-permitted Sources):

1

Alternative Method to  
Demonstrate Control  
Apparatus is Operating  
Properly:

routine preventive maintenance

Have you attached a Particle  
Size Distribution Analysis?

no

Have you attached data from  
recent performance testing?

no

Have you attached any  
manufacturer's data or  
specifications in support of  
the feasibility and/or  
effectiveness of this control  
apparatus?

No, it was attached in original application

Have you attached a diagram  
showing the location and/or  
configuration of this control  
apparatus?

No, it was attached in original application

Comments:

None



### Control Device Design Efficiency Table

[illegible]



Make:	Flex-Kleen
Manufacturer:	
Model:	84-BVBS-25, Arr III
Number of Bags:	25
Size of Bags (ft2 ):	10.6
Total Bag Area (ft2):	265
Bag Fabric:	polyester
Fabric Weight (oz/ft):	2.3
Fabric Weave:	singed
Fabric Finish:	
Maximum Design Temperature Capability (deg F):	100
Maximum Design Air Flow Rate (acfm):	1200
Draft Type:	forced
Maximum Air Flow Rate to Cloth Area Ratio:	4.5 to 1
Minimum Operating Pressure Drop (in. H2O):	1
Maximum Operating Pressure Drop (in. H2O):	14
Method of Monitoring Pressure Drop:	magnahelic gauge
Maximum Inlet Temperature (deg F):	ambient
Minimum Inlet Temperature (deg F):	ambient
Dew Point of Gas Stream (deg F):	
Maximum Operating Exhaust Gas Flow Rate (acfm):	1200
Maximum Inlet Gas Stream Moisture Content (%):	



Method for Determining When Bag Replacement is Required: visual inspection and magnehelic gauge

Method for Determining When Cleaning is Required: visual inspection

Method of Bag Cleaning: pulse-jet

Is Bag Cleaning Conducted On-Line? yes

Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-permitted Sources): 4

Alternative Method to Demonstrate Control Apparatus is Operating Properly: none

Have you attached a Particle Size Distribution Analysis? no

Have you attached data from recent performance testing? no

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? no

Have you attached a diagram showing the location and/or configuration of this control apparatus? no

Comments:



### Control Device Design Efficiency Table

[illegible]



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 CD39 (Particulate Filter (Baghouse))  
Print Date: 9/8/2020

Make:	Flex Kleen
Manufacturer:	Flex Kleen
Model:	36BVB9
Number of Bags:	9
Size of Bags (ft²):	12.70
Total Bag Area (ft²):	114.3
Bag Fabric:	Polyester
Fabric Weight (oz/ft²):	16.00
Fabric Weave:	Felt
Fabric Finish:	Singed
Maximum Design Temperature Capability (°F):	350.0
Maximum Design Air Flow Rate (acfm):	300.0
Draft Type:	Forced
Maximum Air Flow Rate to Cloth Area Ratio:	4.37
Minimum Operating Pressure Drop (in. H2O):	15.00
Maximum Operating Pressure Drop (in. H2O):	0.50
Method of Monitoring Pressure Drop:	Magnahelic guage
Maximum Inlet Temperature (°F):	
Minimum Inlet Temperature (°F):	
Dew Point of Gas Stream Maximum Inlet Temperature (°F):	
Maximum Operating Exhaust Gas Flow Rate (acfm):	
Maximum Inlet Gas Stream Moisture Content (%):	
Method for Determining When Bag Replacement is Required:	
Method for Determining When Cleaning is Required:	
Method of Bag Cleaning:	
Description:	
Is Bag Cleaning Conducted On-Line?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	
Have you attached a Particle Size Distribution Analysis?	<input type="radio"/> Yes <input checked="" type="radio"/> No



**51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 CD39 (Particulate Filter (Baghouse))**  
**Print Date: 9/8/2020**

Have you attached data from recent performance testing?

☐ Yes ☒ No

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?

☐ Yes ☒ No

Have you attached a diagram showing the location and/or configuration of this control apparatus?

☒ Yes ☐ No

Comments:



**51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 CD40 (Electrostatic Precipitator)**  
**Print Date: 9/8/2020**

Make:	<input type="text" value="Air Boss"/>
Manufacturer:	<input type="text" value="Trion"/>
Model:	<input type="text" value="T5200 (tandem)"/>
Unit Type:	<input type="text" value="O3"/>
Description:	<input type="text" value="T5200 tandem, ESP mist collector/air cleaner"/>
Number of Stages:	<input type="text" value="3"/>
Method of Operation:	<input type="text" value="Dry"/>
Method of Cleaning:	<input type="text" value="Wash Off"/>
Description:	<input type="text"/>
Capacity (acfm):	<input type="text" value="5,800.0"/>
Maximum Gas Velocity (ft/sec):	<input type="text" value="15"/>
Type of Rectifier:	<input type="text" value="Solid State"/>
Maximum Inlet Gas Stream Moisture (%):	<input type="text"/>
Maximum Inlet Gas Stream Temperature (°F):	<input type="text" value="140.0"/>
Number of Plates:	<input type="text" value="57"/>
Number of Fields:	<input type="text" value="2"/>
Aspect Ratio:	<input type="text" value="1.01"/>
Plate Surface Area (ft²):	<input type="text" value="121.0"/>
Spacing Between Plates (in):	<input type="text" value="0.22"/>
Cross Sectional Area of Precipitator (ft²):	<input type="text" value="6.2"/>
Treatment Time (sec.):	<input type="text"/>
Maximum Corona Power (Volt):	<input type="text" value="11,200.00"/>
Minimum Apparent Migration Velocity (ft/min):	<input type="text"/>
Maximum Particle Resistivity (ohm-cm):	<input type="text"/>
Average Particle Size (Micrometers):	<input type="text"/>
Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):	<input type="text" value="1"/>
Alternative Method to Demonstrate Control Apparatus is Operating Properly:	<input type="text" value="The control device shall be operated and maintained in accordance with the manufacturer's recommendations."/>

Have you attached data from recent performance testing? ☐ Yes ☒ No

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus? ☒ Yes ☐ No

Have you attached a diagram showing the location and/or configuration of this control apparatus? ☒ Yes ☐ No

Comments:



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 CD40 (Electrostatic Precipitator)  
Print Date: 9/8/2020



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 CD41 (Particulate Filter (Cartridge))

Print Date: 9/8/2020

Make:	Modular Cartridge Bin Vent
Manufacturer:	Coperion
Model:	K-Tron
Number of Cartridges:	1
Size of Cartridges (ft²):	104.70
Total Cartridge Area (ft²):	104.70
Maximum Design Temperature Capability (°F):	266.0
Maximum Design Air Flow Rate (acfm):	400.0
Maximum Air Flow Rate to Filter Area Ratio:	
Minimum Operating Pressure Drop (in. H2O):	
Maximum Operating Pressure Drop (in. H2O):	
Maximum Inlet Temperature (°F):	
Maximum Operating Exhaust Gas Flow Rate (acfm):	

Method for Determining When Cartridge Replacement is Required:

Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):

1

Alternative Method to Demonstrate Control Apparatus is Operating Properly:

Have you attached a Particle Size Distribution Analysis?

☐ Yes ☒ No

Have you attached data from recent performance testing?

☐ Yes ☒ No

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?

☒ Yes ☐ No

Have you attached a diagram showing the location and/or configuration of this control apparatus?

☒ Yes ☐ No

Comments:



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 CD42 (Particulate Filter (Cartridge))

Print Date: 9/8/2020

Make:	Modular Cartridge Bin Vent
Manufacturer:	Coperion
Model:	K-Tron
Number of Cartridges:	1
Size of Cartridges (ft²):	104.70
Total Cartridge Area (ft²):	104.70
Maximum Design Temperature Capability (°F):	266.0
Maximum Design Air Flow Rate (acfm):	400.0
Maximum Air Flow Rate to Filter Area Ratio:	
Minimum Operating Pressure Drop (in. H2O):	
Maximum Operating Pressure Drop (in. H2O):	
Maximum Inlet Temperature (°F):	
Maximum Operating Exhaust Gas Flow Rate (acfm):	

Method for Determining When Cartridge Replacement is Required:

Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):

1

Alternative Method to Demonstrate Control Apparatus is Operating Properly:

Have you attached a Particle Size Distribution Analysis?

☐ Yes ☒ No

Have you attached data from recent performance testing?

☐ Yes ☒ No

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?

☒ Yes ☐ No

Have you attached a diagram showing the location and/or configuration of this control apparatus?

☒ Yes ☐ No

Comments:



51611 GEORGIA-PACIFIC GYPSUM LLC BOP190005 CD43 (Particulate Filter (Cartridge))

Print Date: 9/8/2020

Make:	Modular Cartridge Bin Vent
Manufacturer:	Coperion
Model:	K-Tron
Number of Cartridges:	1
Size of Cartridges (ft²):	104.70
Total Cartridge Area (ft²):	104.70
Maximum Design Temperature Capability (°F):	266.0
Maximum Design Air Flow Rate (acfm):	400.0
Maximum Air Flow Rate to Filter Area Ratio:	
Minimum Operating Pressure Drop (in. H2O):	
Maximum Operating Pressure Drop (in. H2O):	
Maximum Inlet Temperature (°F):	
Maximum Operating Exhaust Gas Flow Rate (acfm):	

Method for Determining When Cartridge Replacement is Required:

Maximum Number of Sources Using this Apparatus as a Control Device (Include Permitted and Non-Permitted Sources):

1

Alternative Method to Demonstrate Control Apparatus is Operating Properly:

Have you attached a Particle Size Distribution Analysis?

☐ Yes ☒ No

Have you attached data from recent performance testing?

☐ Yes ☒ No

Have you attached any manufacturer's data or specifications in support of the feasibility and/or effectiveness of this control apparatus?

☒ Yes ☐ No

Have you attached a diagram showing the location and/or configuration of this control apparatus?

☒ Yes ☐ No

Comments:



**GEORGIA-PACIFIC GYPSUM LLC (51611)**  
**BOP190005**

Date: 12/29/2020

**New Jersey Department of Environmental Protection**  
**Emission Unit/Batch Process Inventory**

**U 2 3 Kettles Kettle Calciners #1, #2 and #3**

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	IKF-NG	Kettle #1 Natural Gas combustion emissions - E3-CD1-PT3-PT4	Normal - Steady State	E3	CD1 (P)	PT3 PT4	3-05-015-11	0.0	8,760.0		14,000.0	16,000.0	720.0	1,140.0
OS2	IKF-DFO	Kettle #1 Ultra Low Sulfur Distillate Fuel Oil combustion emissions - E3-CD1-PT3-PT4	Normal - Steady State	E3	CD1 (P)	PT3 PT4	3-05-015-11	0.0	8,760.0		14,000.0	16,000.0	720.0	1,140.0
OS3	IKDC	Kettle #1 emissions Only - E3-CD1-PT4	Normal - Steady State	E3	CD1 (P)	PT4	3-05-015-11	0.0	8,760.0		11,500.0	12,500.0	220.0	350.0
OS4	2KF-NG	Kettle #2 Natural Gas combustion emissions - E4-CD2-PT5-PT6	Normal - Steady State	E4	CD2 (P)	PT5 PT6	3-05-015-11	0.0	8,000.0		14,000.0	16,000.0	220.0	900.0
OS5	2KF-DFO	Kettle #2 Ultra Low Sulfur Distillate Fuel Oil combustion emissions - E4-CD2-PT5-PT6	Normal - Steady State	E4	CD2 (P)	PT5 PT6	3-05-015-11	0.0	8,000.0		14,000.0	16,000.0	220.0	900.0
OS6	2KDC	Kettle #2 emissions only - E4-CD2-PT6	Normal - Steady State	E4	CD2 (P)	PT6	3-05-015-11	0.0	8,000.0		11,500.0	12,500.0	220.0	240.0
OS7	3KF-NG	Kettle #3 Natural Gas combustion emissions - E5-CD3-PT7-PT8	Normal - Steady State	E5	CD3 (P)	PT7 PT8	3-05-015-11	0.0	8,000.0		13,500.0	16,000.0	210.0	900.0
OS8	3KF-DFO	Kettle #3 Ultra Low Sulfur Distillate Fuel Oil combustion emissions - E5-CD3-PT7-PT8	Normal - Steady State	E5	CD3 (P)	PT7 PT8	3-05-015-11	0.0	8,000.0		13,500.0	16,000.0	210.0	900.0
OS9	3KDC	Kettle #3 emissions only - E5-CD3-PT8	Normal - Steady State	E5	CD3 (P)	PT8	3-05-015-11	0.0	8,000.0		11,500.0	12,500.0	220.0	240.0



**GEORGIA-PACIFIC GYPSUM LLC (51611)**  
**BOP190005**

Date: 12/29/2020

**New Jersey Department of Environmental Protection**  
**Emission Unit/Batch Process Inventory**

**U 6 OB1 Boiler for Office Heat**

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	OB1-nat. gas	Office Heat Boiler - Natural Gas - E6-PT9	Normal - Steady State	E6		PT9	3-05-015-03	0.0	8,760.0		11,000.0	12,500.0	210.0	250.0

**U 8 PWH1 Process Water Heater**

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	PWH1-NG	Burning Natural Gas fuel - E8-PT13	Normal - Steady State	E8		PT13	3-05-015-03	0.0	8,760.0		580.0	630.0	575.0	625.0
OS2	PWH1-#2FO	Burning #2 fuel oil - E8-PT13 (emergency use only per MACT Subpart JJJJJ)	Normal - Steady State	E8		PT13	3-05-015-03	0.0	8,760.0		580.0	630.0	575.0	625.0



**GEORGIA-PACIFIC GYPSUM LLC (51611)**  
**BOP190005**

Date: 12/29/2020

**New Jersey Department of Environmental Protection**  
**Emission Unit/Batch Process Inventory**

**U 9 AFT1 6,000 Gallon Soap Solution Tank containing ethanol**

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	AFT-6000	6000 gal. storage tank for soap solution with ethanol - E9-PT14	Normal - Steady State	E9		PT14	3-05-999-99	0.0	8,760.0		25.0	100.0	50.0	90.0

**U 10 ESDC Board End Saw - used for cutting gypsum board to ordered size**

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	ES	Board end saw - E10-CD4-PT15	Normal - Steady State	E10	CD4 (P)	PT15	3-05-999-99	0.0	8,000.0		3,600.0	4,000.0	40.0	100.0

**U 11 RD Rotary Rock Dryer, Conveyor #8B, - Load Skirt and Conveyor #8A - Source Skirt and Discharge Screw**

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	RD-ng	Rotary dryer used to dry gypsum rock firing natural gas - E11-CD5-PT16	Normal - Steady State	E11	CD5 (P)	PT16	3-05-015-01	0.0	8,760.0		0.0	45,000.0	180.0	250.0



New Jersey Department of Environmental Protection  
Emission Unit/Batch Process Inventory

U 11 RD Rotary Rock Dryer, Conveyor #8B, - Load Skirt and Conveyor #8A - Source Skirt and Discharge Screw

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS2	RD-#2 oil	Rotary dryer used to dry gypsum rock firing No. 2 fuel oil - E11-CD5-PT16	Normal - Steady State	E11	CD5 (P)	PT16	3-05-015-01	0.0	8,760.0		0.0	45,000.0	180.0	250.0
OS3	1C8B	Belt conveyor #8B - Load Skirt - E12-CD5-PT16	Normal - Steady State	E12	CD5 (P)	PT16	3-05-015-04	0.0	8,760.0		0.0	1,000.0	60.0	100.0
OS4	2C8A	Belt conveyor #8A - Discharge Chute - E13-CD5-PT16	Normal - Steady State	E13	CD5 (P)	PT16	3-05-015-04	0.0	8,760.0		0.0	1,000.0	60.0	100.0
OS5	3C8A	Belt conveyor #8A - Load skirt - E65-CD5-PT16	Normal - Steady State	E65	CD5 (P)	PT16	3-05-015-04	0.0	8,760.0		0.0	1,000.0	60.0	100.0

U 14 LPRB-LPBL LP Reserve Bin and Landplaster Bulk Loading

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	LPSB	Landplaster storage bin - E14-CD6-PT17	Normal - Steady State	E14	CD6 (P)	PT17	3-05-015-03 3-05-999-99	0.0	8,760.0		0.0	2,400.0	20.0	100.0
OS2	LPBL	Bulk loading of landplaster - E38-CD6-PT17	Normal - Steady State	E38	CD6 (P)	PT17	3-05-015-03 3-05-999-99	0.0	8,760.0		0.0	2,400.0	20.0	100.0



**GEORGIA-PACIFIC GYPSUM LLC (51611)**  
**BOP190005**

Date: 12/29/2020

**New Jersey Department of Environmental Protection**  
**Emission Unit/Batch Process Inventory**

**U 15 WEDC Stucco Supply Elevator, Stucco Recirc. Elevator, Dry Additive Elevator, Scalping Screw, Weigh Belt Feeder**

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	WEDC-SSE	Stucco supply elevator - E15-CD7-VENT INDOOR	Normal - Steady State	E15	CD7 (P)		3-05-999-99	0.0	8,760.0		150.0	250.0	130.0	150.0
OS2	WEDC-SRE	Stucco recirculating elevator - E16-CD33-VENT INDOOR	Normal - Steady State	E16	CD33 (P)		3-05-999-99	0.0	8,760.0		150.0	250.0	130.0	150.0
OS3	WEDC-SSS	Stucco Scalping Screw - E66-CD32-VENT INDOOR	Normal - Steady State	E66	CD32 (P)		3-05-999-99	0.0	8,760.0		400.0	500.0	130.0	150.0
OS4	WEDC-DAE	Dry Additives Elevator - E59-CD34-VENT INDOOR	Normal - Steady State	E59	CD34 (P)		3-05-999-99	0.0	8,760.0		800.0	1,200.0	130.0	150.0
OS5	WEDC-SWBF	Stucco Weigh Belt Feeder - E67-CD32-VENT INDOOR	Normal - Steady State	E67	CD32 (P)		3-05-999-99	0.0	8,760.0		400.0	500.0	130.0	150.0



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U 17 LPA1 Landplaster Pneumatic Conveying Process

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	LPA1	Landplaster pneumatic conveyor - E17-CD8-Vent Indoors	Normal - Steady State	E17	CD8 (P)		3-08-999-99	0.0	792.0		450.0	500.0	40.0	100.0

U 18 SMS1 Stucco Mixing Screw Conveyor

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	SMS1	Stucco mixing screw conveyor - E18-CD9-vent indoors	Normal - Steady State	E18	CD9 (P)		3-05-999-99	0.0	8,000.0		160.0	200.0	40.0	100.0



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U 19 BPS1 Board Stucco Silo #1

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	BPS1	Board stucco silo #1 - E19-CD10-PT21(venting indoors)	Normal - Steady State	E19	CD10 (P)		3-05-999-99	0.0	8,200.0		160.0	200.0	40.0	100.0

U 20 BPS2 Board Stucco Silo #2

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	BPS2	Board stucco silo #2 - E20-CD11-PT22(vent indoors)	Normal - Steady State	E20	CD11 (P)		3-05-999-99	0.0	8,200.0		160.0	200.0	40.0	100.0



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U 21 441C 441 Screw Conveyor

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	441ScrewConv	441 Screw Conveyor - E21-CD12-PT23 Vent Indoors	Normal - Steady State	E21	CD12 (P)		3-05-999-99	0.0	8,200.0		160.0	300.0	40.0	100.0

U 22 SRB1 Stucco Reserve Bin #1

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	SRB1	Stucco reserve bin #1 - E22-CD13-VENT INDOORS	Normal - Steady State	E22	CD13 (P)		3-05-999-99	0.0	500.0		160.0	200.0	40.0	100.0



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**U 23 PMV1 Pin Mixer**

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	PinMixer	Pin Mixer - E23-CD14-VENT INDOOR	Normal - Steady State	E23	CD14 (P)		3-05-999-99	0.0	8,160.0		320.0	350.0	40.0	100.0

**U 24 RM1and RM2 Raymond Mill #1 and Raymond Mill #2**

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	RM1-NG	60" Raymond Mill #1 - NG Fuel - E24-CD16-PT26	Normal - Steady State	E24	CD16 (P)	PT26	3-05-015-02	0.0	8,760.0		9,500.0	10,000.0	150.0	200.0
OS2	RM1-#2oil	60" Raymond Mill #1 - #2 Distillate oil - E24-CD16-PT26	Normal - Steady State	E24	CD16 (P)	PT26	3-05-015-02	0.0	8,760.0		9,500.0	10,000.0	150.0	200.0
OS3	RM2-NG	60" Raymond Mill #2 - NG Fuel - E25-CD18-PT27	Normal - Steady State	E25	CD18 (P)	PT27	3-05-015-02	0.0	8,760.0		9,500.0	10,000.0	150.0	200.0
OS4	RM2-#2oil	60" Raymond Mill #2 - #2 Distillate oil - E25-CD18-PT27	Normal - Steady State	E25	CD18 (P)	PT27	3-05-015-02	0.0	8,760.0		9,500.0	10,000.0	150.0	200.0



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**U 26 4RB Portland Cement Bin (aka Reserve Bin #4)**

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	4RB	Portland Cement Bin (originally Reserve Bin #4) - E26-CD19-VENT INDOOR	Normal - Steady State	E26	CD19 (P)		3-05-999-99	0.0	8,760.0		275.0	750.0	115.0	135.0

**U 27 LPB1 Landplaster Bin #1**

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	LPB1	Landplaster Bin #1 - E27-CD20-vent indoors	Normal - Steady State	E27	CD20 (P)		3-05-999-99	0.0	8,000.0		180.0	200.0	110.0	140.0



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**U 28 LPB2 Landplaster Bin #2**

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	LPB2	Landplaster Bin #2 - E28-CD21-vent indoors	Normal - Steady State	E28	CD21 (P)		3-05-999-99	0.0	8,200.0		180.0	200.0	110.0	140.0

**U 29 LPB3 Landplaster Bin #3**

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	LPB3	Landplaster Bin #3 - E29-CD22-vent indoors	Normal - Steady State	E29	CD22 (P)		3-05-999-99	0.0	8,200.0		180.0	200.0	110.0	140.0



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U 30 SRB3-MPB1 Moulding Plaster Bin / Stucco Reserve Bin #3

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	SRB3-MPB1	Moulding Plaster Bin #3 (aka Stucco Reserve Bin #3) - E30-CD23-PT32(venting indoors)	Normal - Steady State	E30	CD23 (P)		3-05-999-99	0.0	500.0		160.0	200.0	40.0	100.0
OS2	MPBE	Moulding Plaster Bin Elevator - E61-CD23-PT32(venting indoors)	Normal - Steady State	E61	CD23 (P)		3-05-999-99	0.0	8,760.0		160.0	200.0	40.0	100.0

U 31 SC Stucco Cooling

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	SC-#1EDS	Stucco Cooler - #1 Elevator Discharge Screw	Normal - Steady State	E31	CD24 (P)	PT33	3-05-999-99	0.0	8,760.0		0.0	8,000.0	160.0	190.0
OS2	SC-#1CS	Stucco Cooler - #1 Collecting Screw	Normal - Steady State	E32	CD24 (P)	PT33	3-05-999-99	0.0	8,760.0		0.0	8,000.0	160.0	190.0
OS3	SC-#1XS	Stucco Cooler - #1 Cross Screw	Normal - Steady State	E33	CD24 (P)	PT33	3-05-999-99	0.0	8,760.0		0.0	8,000.0	160.0	190.0
OS4	SC-#2EDS	Stucco Cooler - #2 Elevator Discharge Screw	Normal - Steady State	E34	CD24 (P)	PT33	3-05-999-99	0.0	8,760.0		0.0	8,000.0	160.0	190.0
OS5	SC-#2CS	Stucco Cooler - #2 Collecting Screw	Normal - Steady State	E35	CD24 (P)	PT33	3-05-999-99	0.0	8,760.0		0.0	8,000.0	160.0	190.0



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**U 31 SC Stucco Cooling**

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS6	SC-#2XS	Stucco Cooler - #2 Cross Screw	Normal - Steady State	E36	CD24 (P)	PT33	3-05-999-99	0.0	8,760.0		0.0	8,000.0	160.0	190.0
OS7	SC-#430CS	Stucco Cooler - #430 Conveyor Screw	Normal - Steady State	E37	CD24 (P)	PT33	3-05-999-99	0.0	8,760.0		0.0	8,000.0	160.0	190.0
OS8	BSLS	Bulk Stucco Loading Spout	Normal - Steady State	E71	CD24 (P)	PT33	3-05-999-99	0.0	8,760.0		0.0	8,000.0	160.0	190.0
OS9	BSHE	Bulk Stucco Handling Elevator	Normal - Steady State	E57	CD24 (P)	PT33	3-05-999-99	0.0	8,760.0		0.0	8,000.0	160.0	190.0
OS10	BSHS	Bulk Stucco Handling Sifter	Normal - Steady State	E58	CD24 (P)	PT33	3-05-999-99	0.0	8,760.0		0.0	8,000.0	160.0	190.0
OS11	Barrel Separ	Barrel Separator	Normal - Steady State	E106	CD24 (P)	PT33	3-05-999-99	0.0	8,760.0		0.0	8,000.0	160.0	190.0

**U 34 RF Reclaim Feeder and Belt Conveyor**

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	RFeeder	Reclaim Feeder and Belt Conveyor- Feeder for shredding wallboard - E40-PT34	Normal - Steady State	E40		PT34	3-05-999-99	0.0	8,760.0		40.0	100.0	20.0	100.0



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**U 34 RF Reclaim Feeder and Belt Conveyor**

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS2	Reclaim Conv	Reclaim Belt Conveyor	Normal - Steady State	E104		PT104		0.0	8,760.0		40.0	100.0	20.0	100.0

**U 35 DCB Dens Cal Feed Bin**

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	DCB	Storage of Dens Cal in Bin - E42-CD25-vents indoor	Normal - Steady State	E42	CD25 (P)		3-05-999-99	0.0	8,760.0		100.0	300.0	70.0	70.0

**U 36 B/P System Blender/Packer System**

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	BPacker	Bag Packer - E43-CD26-PT36	Normal - Steady State	E43	CD26 (P)	PT36	3-05-999-99	0.0	8,760.0		3,000.0	5,000.0	70.0	110.0



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**U 36 B/P System Blender/Packer System**

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS2	Blend-Weigh	Bulk Plaster Blender and Weigher - E44-CD26-PT36	Normal - Steady State	E44	CD26 (P)	PT36	3-05-999-99	0.0	8,760.0		3,000.0	5,000.0	70.0	110.0
OS3	#1RockBinTra	#1 Rock Bin Transfer - 11 Belt - E45-CD26-PT36	Normal - Steady State	E45	CD26 (P)	PT36	3-05-999-99	0.0	1,825.0		3,000.0	5,000.0	70.0	110.0
OS4	#2RockBinTra	#2 Rock Bin Transfer - 11 Belt - E46-CD26-PT36	Normal - Steady State	E46	CD26 (P)	PT36	3-05-999-99	0.0	1,825.0		3,000.0	5,000.0	70.0	110.0
OS5	RockTransfer	Rock Transfer - 10 Belt to 11 Belt - E47-CD26-PT36	Normal - Steady State	E47	CD26 (P)	PT36	3-05-999-99	0.0	3,650.0		3,000.0	5,000.0	70.0	110.0
OS6	Bag Packer 2	Bag Packer - E102-CD26-PT36	Normal - Steady State	E102	CD26 (P)	PT36	3-05-999-99	0.0	8,760.0		3,000.0	5,000.0	70.0	110.0
OS7	Supersac	Supersac Loading	Normal - Steady State	E103	CD26 (P)	PT36	3-05-999-99	0.0	8,760.0		3,000.0	5,000.0	70.0	110.0

**U 37 LPB4 Landplaster Bin #4 (aka Board Plant Landplaster Bin)**

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	LPB4	Landplaster Bin #4 - E48-CD27-vent indoors	Normal - Steady State	E48	CD27 (P)		3-05-999-99	0.0	8,760.0		100.0	300.0	70.0	70.0



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**U 38 IM Impact Mill**

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	IM#1	Impact Mill #1	Normal - Steady State	E49	CD28 (P)		3-05-999-99	0.0	7,333.0		0.0	1,200.0	70.0	70.0
OS2	IM#2	Impact Mill #2	Normal - Steady State	E70	CD28 (P)		3-05-999-99	0.0	7,333.0		0.0	1,200.0	70.0	70.0
OS3	MPBE	Moulding Plaster Bin Elevator - E61-CD31 (venting indoors)	Normal - Steady State	E61	CD28 (P)		3-05-999-99	0.0	8,760.0		0.0	1,200.0	70.0	70.0

**U 39 SDS Impact Mill Screen**

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	SDS	Impact Mill Screen - E50-CD29-vent indoors	Normal - Steady State	E50	CD29 (P)		3-05-999-99	0.0	8,760.0		100.0	300.0	70.0	70.0



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**U 40   SRB2   Stucco Reserve Bin #2**

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	SRB2	#2 Stucco Reserve Bin - E51-CD30-vent indoors	Normal - Steady State	E51	CD30 (P)		3-05-999-99	0.0	8,760.0		100.0	300.0	100.0	150.0

**U 41   IMFB   Impact Mill Feed Bin**

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	IMFB	Feed Bin to the Impact Mill - E52-CD31-(vent indoors)	Normal - Steady State	E52	CD31 (P)		3-05-999-99	0.0	8,760.0		100.0	300.0	70.0	70.0
OS2	IMFBE	Impact Mill Feed Bin Elevator - E60-CD31- (vent indoors)	Normal - Steady State	E60	CD31 (P)			0.0	8,760.0		100.0	300.0	70.0	70.0



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**U 42 BM Ball Mills 1-4**

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	BM1	Ball Mill 1 - E53-CD37-vent indoors	Normal - Steady State	E53	CD37 (P)		3-05-999-99	0.0	8,760.0		0.0	1,200.0	35.0	110.0
OS2	BM2	Ball Mill 2 - E54-CD37-vent indoors	Normal - Steady State	E54	CD37 (P)		3-05-999-99	0.0	8,760.0		0.0	1,200.0	35.0	110.0
OS3	BM3	Ball Mill 3 - E55-CD37-vent indoors	Normal - Steady State	E55	CD37 (P)		3-05-999-99	0.0	8,760.0		0.0	1,200.0	35.0	110.0
OS4	BM4	Ball Mill 4 - E56-CD37-vent indoors	Normal - Steady State	E56	CD37 (P)		3-05-999-99	0.0	8,760.0		0.0	1,200.0	35.0	110.0

**U 43 Wet End Vac Wet End Vacuum System**

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	Wet End Vac	Wet End Vacuum System - E68-CD35-PT51	Normal - Steady State	E68	CD35 (P)	PT51	3-05-999-99	0.0	8,760.0		8,000.0	10,000.0	35.0	120.0



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**Emission Unit/Batch Process Inventory**

**U 47 Reject Bin Reject Bin Dust Collector**

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	Reject Bin	Reject Bin Dust Collector - VENTS INDOORS	Normal - Steady State	E75	CD39 (P)		3-05-015-03	0.0	8,760.0		200.0	300.0	200.0	350.0

**U 51 Crshr/Trnsfr Crusher Building and Transfer Tower**

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	#7 Belt	#7 Belt	Normal - Steady State	E107		PT107 PT108		0.0	8,760.0				70.0	70.0
OS2	#8 Belt	#8 Belt	Normal - Steady State	E108		PT107 PT108		0.0	8,760.0				70.0	70.0
OS3	#9 Belt	#9 Belt	Normal - Steady State	E109		PT107 PT108		0.0	8,760.0				70.0	70.0
OS4	#10 Belt	#10 Belt	Normal - Steady State	E110		PT109 PT110		0.0	8,760.0				70.0	70.0
OS5	#11 Belt	#11 Belt	Normal - Steady State	E111		PT109 PT110		0.0	8,760.0				70.0	70.0



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U 52 Auger #1 Temporary Discharge Auger #1

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	Auger #1	7" horizontal auger, 9" diagonal auger; 240 RPM; 6-10 tons/hr	Normal - Steady State	E112				0.0	960.0					

U 53 DeLumper Franklin Miller DeLumper

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	Hopper	Feed Hopper - Fugitive emissions from building openings	Normal - Steady State	E113		PT111		0.0	8,760.0		0.0	1.3	20.0	110.0
OS2	Delump-Augur	Delumper/Discharge Auger - Fugitive emissions from building openings	Normal - Steady State	E114		PT111		0.0	8,760.0		0.0	1.3	20.0	110.0



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**U 54 Resin Ext Resin Extrusion Process**

UOS NJID	Facility's Designation	UOS Description	Operation Type	Signif. Equip.	Control Device(s)	Emission Point(s)	SCC(s)	Annual Oper. Hours		VOC Range	Flow (acfm)		Temp. (deg F)	
								Min.	Max.		Min.	Max.	Min.	Max.
OS1	VacuumLoader	Vacuum Loader	Normal - Steady State	E115		PT115		0.0	8,760.0		0.0	50.0	50.0	70.0
OS2	Hopper Dryer	Hopper Dryer	Normal - Steady State	E116		PT115		0.0	8,760.0		0.0	50.0	50.0	70.0
OS3	PigmentFeed1	Pigment Feeder 1	Normal - Steady State	E117		PT115		0.0	8,760.0		0.0	50.0	50.0	70.0
OS4	PigmentFeed2	Pigment Feeder 2	Normal - Steady State	E118		PT115		0.0	8,760.0		0.0	50.0	50.0	70.0
OS5	ResinExtrude	Resin Extruder	Normal - Steady State	E119	CD40 (P)	PT119		0.0	8,760.0	A	3,300.0	5,800.0	60.0	150.0
OS6	CoolingSys	Cooling Tower / Cooling Water Tank	Normal - Steady State	E120		PT120		0.0	8,760.0		0.0	10,600.0	60.0	100.0
OS7	PP Silo	Polypropylene Pellet Silo	Normal - Steady State	E121	CD41 (P) CD42 (P) CD43 (P)	PT151		0.0	8,760.0		900.0	1,200.0	70.0	100.0